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Part 1

ACTIVATION ANALYSIS: A BIBLIOGRAPHY

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[1] Headquarters and Laboratories at Gaithersburg, Maryland, unless otherwise noted; mailing address Washington, D. C. 20234.

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UNITED STATES DEPARTMENT OF COMMERCE
C. R. Smith, Secretary
NATIONAL BUREAU OF STANDARDS • A. V. Astin, Director

NBS TECHNICAL NOTE 467
Part 1

ACTIVATION ANALYSIS: A BIBLIOGRAPHY
(PART 1 – ISSUED SEPTEMBER 1968)

EDITED BY

G. J. LUTZ, R. J. BORENI,
R. S. MADDOCK, AND W. W. MEINKE

Analytical Chemistry Division
Institute for Materials Research

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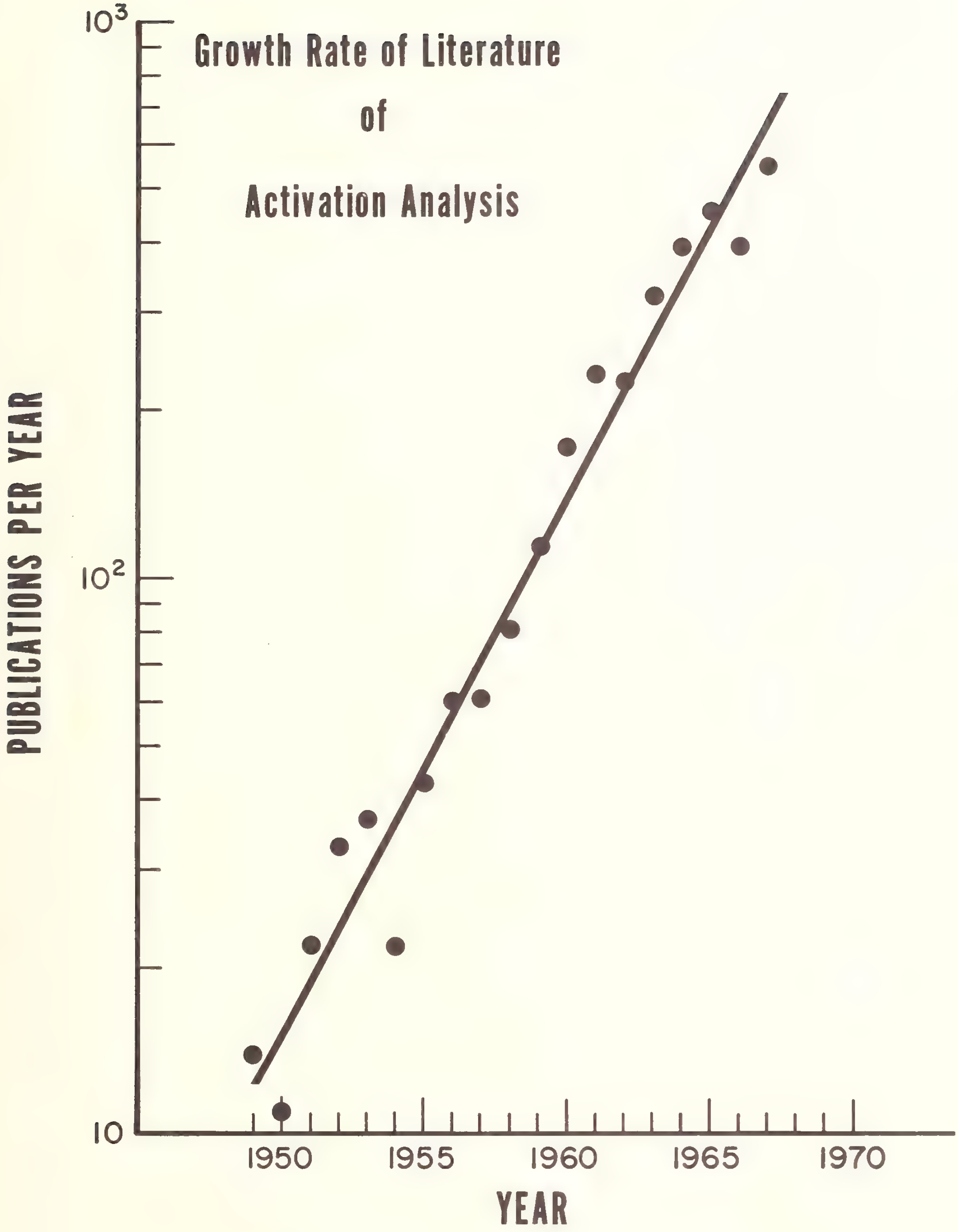
Growth Rate of Literature
of
Activation Analysis
PUBLICATIONS PER YEAR
10^3
10^2
10
1950
1955
1960
1965
1970
YEAR

PREFACE

Activation analysis is generally considered to have its genesis in the classic papers of Hevesy and Levi in 1936 and of Seaborg and Livingood in 1938. The first ten years of activation analysis yielded less than two dozen contributions to the literature, but the annual accretion rate of the subsequent two decades has shown an exponential growth, rising from 13 papers in 1949 to almost 600 in 1967. This represents a doubling time of slightly over three years.

This fantastic growth of the literature can be attributed not only to the acceptance of activation analysis as a useful method for trace element analysis and the increasing availability of nuclear reactors, but also to the addition of several additional nuclear projectiles to the arsenal of activation analysis and the development of sophisticated radiochemical separation methods and radiation detection equipment.

The practitioner of activation analysis has a literature rapidly approaching 4000 items, to which several hundred items are being added annually. Unless he is to spend more time in the library than in the laboratory, methods must be found to keep him apprised of those aspects of activation analysis in which he is interested or will subsequently become interested. This bibliography represents the efforts associated with one such method.

The literature file on which this bibliography is based was initiated in 1952 and until 1964 used a manual retrieval method. At this time when the amount of material stood at about 2000 items, it became apparent that computer techniques for retrieval would greatly increase the utility of the file.

For this purpose, each item in the file was coded to the three categories which are an irreducible minimum for defining an analysis--element determined, matrix analyzed, and technique used. In addition, each item was keyed as to type of publication (journal article, thesis, etc.), language of publication, country of origin, year of publication and scope of publication.

These data are used in conjunction with an information storage and retrieval system developed by the Control Data Corporation. Interrogation of the computer may be as specific as desired. For this bibliography, a query was made for the accession number of each item in the file associated with each author, each element, each matrix, and each technique used. These lists of accession numbers are given in the appendices.

It is a pleasure to acknowledge extensive help from the many persons who contributed to this bibliography. Members of the Activation Analysis Section, past and present, who assisted with searching, keying, and preparation and who contributed many excellent suggestions for design of the system for maximum utility are D. A. Becker, B. S. Carpenter, M. R. Crambes, J. R. DeVoe, T. E. Gills, W. D. Kinard, P. D. LaFleur, L. T. McClendon, S. S. Nargolwalla, I. H. Qureshi, W. P. Reed, R. R. Ruch, D. M. Setlock, G. W. Smith, and B. A. Thompson. Special thanks are due to Mrs. B. L. Luckett of the NBS library for her capable assistance in obtaining material from outside sources, and to R. Robinson and J. Stern of the Control Data Corporation who worked with our staff to modify their system to meet our requirements.

W. Wayne Meinke, Chief
Analytical Chemistry Division

ACTIVATION ANALYSIS - A BIBLIOGRAPHY
(Part 1)

Edited by
G. J. Lutz, R. J. Boreni, R. S. Maddock and W. W. Meinke

ABSTRACT

References to activation analysis in the open literature are published from a computer readout. The first part of the two-part series contains references numbered according to their accession to the system. The second part contains an author index and three additional indices for "element determined", "matrix analyzed", and "technique used". The two parts, when used together, permit a literature search defined by the three indices. Part 1 will be updated periodically by addenda containing new references while Part 2 will be periodically revised and replaced by new pages which include cross references to the new accessions.

Key words: Activation analysis, bibliography, element determined, literature file, matrix analyzed, technique used.

1. INTRODUCTION

This bibliography is a computer printout of a "current awareness" file of references on activation analysis. The publication of this bibliography was planned so that it might be distributed initially to the attendees of the Conference "Modern Trends in Activation Analysis", being held from October 7-11, 1968 at the National Bureau of Standards in Gaithersburg, Md. The file covers the literature available to us through July 31, 1968.

2. HISTORY

The present system began in 1952 as a manual system using the notched edge, needle-sort card system. By 1963 when one of the editors, W. W. Meinke, joined the National Bureau of Standards, the system had about 1400 items. The responsibility for keeping the file up to date and at the same time exploring the possibility of computerizing the system was given to R. S. Maddock. The increase in the number of papers per year was virtually exponential (see graph on frontispiece) and for two years it was possible to do little more than locate the references. In 1965 R. J. Boreni became editor-manager of the system, and the responsibility for scanning the literature was delegated to the Activation Analysis Section of the Analytical Chemistry Division with G. J. Lutz coordinating the effort.

Because the Computer Service Section of NBS was committed to capacity and would not be in a position to explore the system for some years, a commercial computer firm, Control Data Corporation, contracted to provide a system which would meet certain requirements. These requirements included storage and retrieval of information from our station and provision of immediate turnaround or delayed or non-prime turnaround. In addition we needed a serialized input (to match our file of hard copies), an updating capability, a flexible interrogation capability including listing chronologically and alphabetically, word-in-context searching, and a capability for including other analytical competences at some future time.

3. PROCEDURE

A system of record keeping and cross checking of input items has been set up by R. J. Boreni and is summarized below.

A. Scanning the Literature

An organized system for scanning the literature has been devised so that Nuclear Science Abstracts and Chemical Titles are systematically scanned by scientists in the Activation Analysis Section. An accession number card, containing the identical information to be stored in the computer, is made for each reference found after the reference has been checked against the existing file to prevent duplication. Abstracts, when available, are copied and made a part of this card file. A cross-referenced card is made for each author and filed alphabetically.

B. Procurement of Reprints for Inclusion in the System

Copies of papers are obtained when possible. The National Bureau of Standards Library subscribes to a large number of the journals in which the majority of activation analysis papers are published. Journals not held by the library are obtained through the inter-library loan service from various other libraries throughout the United States. Reports abstracted in Nuclear Science Abstracts are obtained from the Division of Technical Information Extension, Oak Ridge, Tennessee. A number of reprints are also received directly from scientists in all parts of the world working in the field.

C. Keying

All papers are keyed from a copy of the reprint by personnel in the Activation Analysis Section. Papers in a language other than English and which do not contain an English summary are frequently keyed from the NSA abstract or Chemical Abstracts. No formal process has, at this time, been set up for translating articles into other languages although translation assistance in a number of languages is available at NBS.

For each paper five keys are used: Key 1. Element to be determined; Key 2. Matrix analyzed; Key 3. Technique used; Key 4. Type of paper (i.e. journal article, report, thesis), language, and country where work was done; Key 5. Analytical competence (i.e. Activation Analysis for this particular bibliography). These keys are not limited so that additional subcategories may be made as needed.

D. Preparation of Material for Computer Storage

All material for computer storage is punched on paper tape. The tape itself is sent to the computer center several miles away for incorporation into the memory tape.

E. Interrogations and Readout

Interrogations are made by teletype directly to the computer center by querying the computer for the desired information. All queries are formed using the first three keys listed in 3.C above. In addition the question can be limited by choosing the proper item in keys 4 and 5. For example, the search can be limited to a certain language such as French and/or German and a thesis. This would search out only French and German language theses on the question formed from the first three keys.

Answers to the queries give the accession number, author, title of paper, and complete reference. Unless specified, this will read out in a block format just as it was inserted into the file. A special format such as was used for the printout of this bibliography is available. The printout can also be alphabetized according to the first author or listed chronologically by year. The readout can be sent to our station by teletype on either a 2-hour, 6-hour, or a 24-hour turnaround. It can also be printed out at the computer center and sent by messenger on a 24-hour turnaround.

4. USE

Prior to publication of this bibliography, our information storage and retrieval system has had only "in house" usage. The relative ease and flexibility of systematic extraction of material has made the file an indispensable prelude to solution of problems in the Activation Analysis Section. It is also frequently used by members of the section for reviews of the state-of-the art in their fields of interest.

This particular bibliography represents the complete contents of our system as of July 31, 1968 and is organized to present an optimum amount of information to its users. It is issued in two parts because of size as well as function. Part 1 gives a complete readout of the bibliographic information in the file arranged according to accession numbers. This part will be supplemented by addenda as more items are added serially to the system, but it will not have to be revised to remain effective.

Part 2 contains an index of authors as well as indexes of "element determined", "matrix analyzed", and "technique used". Each index lists the accession number of each paper which has been keyed for a particular entry. This part is provided in loose-leaf format and will be revised and updated periodically by insert sheets which will include references to recent accessions.

Persons using this bibliography are encouraged to offer suggestions to the editors as to how this bibliography could be made more useful and also to provide copies of papers which may have been inadvertently omitted.

ACTIVATION ANALYSIS-ACCESSION NUMBERS

1 DEPANGHER, J. * NICHOLS, L.L. * KENT, R.A.R.
CHARACTERISTICS OF A LARGE NEUTRON MODERATOR FOR
ACTIVATION STUDIES.
HW-73913. 40P., 1962. (ENGLISH). GENERAL ELECTRIC
CO., RICHLAND, WASHINGTON.

2 AIROLDI, G. * GERMAGNOLI, E.
METHODS FOR QUANTITATIVE MEASUREMENT OF IRIDIUM
CONTENT IN PLATINUM.
ENERGIA NUCLEARE, 4, 301-306 (1957) (ENGLISH)
(ITALIAN SUMMARY). CISE LABORATORIES, MILANO.

3 ALBERT, P.
APPLICATION OF RADIOELEMENTS TO PROBLEMS OF VERY
HIGH PURITY METALS.
CHIMIE AND INDUSTRIE (PARIS), 75, 275-286 (1956)
(FRENCH) (ENGLISH SUMMARY). DOCTEUR ES SCIENCES,
CHEF DE SERVICE AU CENTRE D ETUDES DE CHIMIE
METALLURGIQUE DE VITRY.

4 ALBERT, P.
APPLICATION OF RADIOELEMENTS TO THE PURIFICATION
OF ALUMINUM AND OF IRON.
SERIE A, NO 2928, NO D ORDRE 3799, THESES, MASSON
ET CIE, EDITEURS, PARIS, 72P., 1956 (FRENCH).
FACULTY OF SCIENCES, UNIVERSITY OF PARIS.

5 ALBERT, P. * CARON, M. * CHAUDRON, G.
ANALYSIS OF METAL IMPURITIES IN IRON OF HIGH
PURITY BY THE PILE ACTIVATION METHOD.
COMPT. REND., 236, 1030-1031 (1953). (FRENCH).
CENTRE DETUDES DE CHIMIE METALLURGIQUE,
VITRY-SUR-SEINE, FRANCE.

6 ALBERT, P. * CARON, M. * CHAUDRON, G.
ANALYSIS OF THE TRACES OF SODIUM AND COPPER IN
HIGH PURITY ALUMINUM BY PILE-ACTIVATION.
RADIOISOTOPE TECHNIQUES (PROCEEDINGS OF THE
ISOTOPE TECHNIQUES CONFERENCE, OXFORD, JULY 1951),
VOLUME II, INDUSTRIAL AND ALLIED RESEARCH
APPLICATIONS, HMSO, LONDON, 171-178, 1952.
(ENGLISH). LAB. CENTRAL DES TRAITEMENTS CHIMIQUES,
VITRY SUR SEINE, FRANCE.

7 ALBERT, P. * CARON, M. * CHAUDRON, G.
DETERMINATION OF TRACES OF SODIUM, COPPER AND RARE
EARTHS IN ALUMINIUM OF HIGH PURITY BY THE PILE
ACTIVATION METHOD.
COMPT. REND., 233, 1108-1110 (1951). (FRENCH).
CENTRE D ETUDE DE CHIMIE METALLURGIQUE, VITRY SUR
SEINE, FRANCE.

8 ALBERT, P. * CHAUDRON, G. * SUE, P.
MICRODETERMINATION BY CHEMICAL MEANS OF CARBON IN DEUTERON IRRADIATED IRON.
BULL. SOC. CHIM. FRANCE, C97-C102 (1953) (FRENCH), CENTRE D ETUDES DE CHIMIE METALLURGIQUE, VITRY SUR SEINE, FRANCE.

9 EHMANN, W.D.
TRACE ELEMENT DETERMINATIONS IN NATURAL MATERIALS BY ACTIVATION ANALYSIS.
CONF-151-4. (FROM 19TH INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY CONGRESS, LONDON), 22P. (1963). (ENGLISH), UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY.

10 ALPEROVITCH, E.A.
CONTRIBUTION TO THE PROBLEM OF NATURALLY OCCURRING TECHNETIUM.
NYO-6139, 101PP., 1954 (ENGLISH), COLUMBIA UNIVERSITY.

11 ALPEROVITCH, E.A. * MILLER, J.M.
OCCURRENCE OF TECHNETIUM-98 IN NATURE.
NATURE, 176, 299-301 (1955), (ENGLISH), CHEMISTRY DEPT., COLUMBIA UNIV., NEW YORK.

12 AMANO, H.
STUDIES ON ANALYTICAL METHOD FOR TRACE ELEMENTS IN METALS BY USING RADIOACTIVE ISOTOPE, VII. DETERMINATION OF COPPER, GALLIUM AND ANTIMONY IN PURE SILICON BY RADIOACTIVATION METHOD.
SCIENCE REPORTS OF THE RESEARCH INSTITUTES TOHOKU UNIVERSITY, SERIES A, 12, NO. 1, 16-23 (1960) (ENGLISH), THE RESEARCH INSTITUTE FOR IRON, STEEL AND OTHER METALS.

13 AMBROSINO, G. * PINDRUS, P.
NON-DESTRUCTIVE ANALYSIS OF ANCIENT METALLIC OBJECTS.
REVUE DE METALLURGIE, 50, 136-138 (1953) (FRENCH), FRANCE.

14 ABRAO, A.
SIMULTANEOUS DETERMINATION OF GOLD AND URANIUM IN ORES BY RADIOACTIVATION ANALYSIS.
IEA-7, 17P., 1959, (ENGLISH), UNIV. INST. DE ENERGIA ATOMICA, SAO PAULO, BRAZIL.

15 ANDERS, E. * SEN SARMA, R.N. * KATO, P.H.
SEARCH FOR TECHNETIUM-98 BY NEUTRON ACTIVATION ANALYSIS.
J. CHEM. PHYS., 24, 622-623 (1956), (ENGLISH), DEPT. OF CHEMISTRY AND CHEMICAL ENGINEERING, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS.

16 ANDERS, O.U.
NEUTRON-ACTIVATION SENSITIVITIES.
NUCLEONICS, 18, NO. 11, 178-179 (1960), (ENGLISH), THE DOW CHEMICAL CO., RADIOCHEMISTRY LAB., MIDLAND, MICHIGAN.

17 ANDERS, O.U.
DETERMINATION OF FLOURINE BY NEUTRON ACTIVATION.
ANAL. CHEM., 32, 1368-1369 (1960), (ENGLISH), THE DOW CHEMICAL CO., RADIOCHEMISTRY LAB., MIDLAND, MICHIGAN.

18 ANDERS, O.U. * BEAMER, W.H.
RESOLUTION OF TIME-DEPENDENT GAMMA SPECTRA WITH A DIGITAL COMPUTER AND ITS USE IN ACTIVATION ANALYSIS.
ANAL. CHEM., 33, 226-230 (1961), (ENGLISH), THE DOW CHEMICAL CO., RADIOCHEMISTRY LAB., MIDLAND, MICHIGAN.

19 GIBBONS, D.
RADIOACTIVATION ANALYSIS.
ATOM, NO. 54, 12-13, 15 (1961), (ENGLISH), WANTAGE RESEARCH LAB., BERKS, ENGLAND.

20 AOKI, F. * OKADA, M.
OPTIMUM SAMPLE POSITION IN RADIOACTIVATION ANALYSIS USING RADIUM-BERYLLIUM NEUTRON SOURCE IN PARAFFIN MODERATOR.
BULL. CHEM. SOC. JAPAN, 31, 996-997 (1958), (ENGLISH), GOV T. CHEMICAL INDUSTRIAL RESEARCH INSTITUTE, SHIBUYA-KU, TOKYO.

21 ACCARDO C.A. * HENDEL, H.W. * LAUTTMAN, R.G. * STEIN, M.N.
INDUCED ANTIMONY ACTIVITY IN MYLAR.
NUCLEONICS, 17, 106 (1959), (ENGLISH), U.S. ARMY SIGNAL RES. AND DEVEL. LAB., FT. MONMOUTH, N.J.

22 ATCHISON, G.J. * BEAMER, W.H.
DETERMINATION OF TRACE IMPURITIES IN MAGNESIUM BY ACTIVATION ANALYSIS.
ANAL. CHEM., 24, 1812-1815 (1952), (ENGLISH), THE DOW CHEMICAL CO., MIDLAND, MICHIGAN.

23 ATCHISON, G.J. + BEAMER, W.H.
NEUTRON ACTIVATION ANALYSIS WITH THE VAN DE GRAAFF ACCELERATOR, APPLICATION TO THE HALOGENS.
ANAL. CHEM., 28, 237-243 (1956), (ENGLISH). THE DOW CHEMICAL CO., RADIOCHEMISTRY LAB., MIDLAND, MICHIGAN.

24 ATEN, A.H.W., JR.
STUDY OF HF/ZR MIXTURES BY ACTIVATION WITH FAST NEUTRONS.
NED. T. NATUURK., 10, 257-259 (1943), (DUTCH), NATUURKUNDIG LABORATORIUM DER N.V. PHILIPS GLOEILAMPENFABRIEKEN, EINDHOVEN - HOLLAND.

25 ATEN, A.H.W., JR.
ISOTOPES AS TRACERS IN ANALYTICAL CHEMISTRY.
ANAL. CHIM. ACTA, 2, 492-500 (1948), (ENGLISH) (FRENCH AND GERMAN SUMMARY), INSTITUTE FOR NUCLEAR RESEARCH, AMSTERDAM (NETHERLANDS).

26 ATKINS, D.H.F. + SMALES, A.A.
THE DETERMINATION OF TANTALUM AND TUNGSTEN IN ROCKS AND METEORITES BY NEUTRON ACTIVATION ANALYSIS.
ANAL. CHIM. ACTA, 22, 462-478 (1960), (ENGLISH) (FRENCH AND GERMAN SUMMARY), AERE, HARWELL (GREAT BRITAIN).

27 ATKINS, D.H.F. + SMALES, A.A.
ACTIVATION ANALYSIS.
ADVANCES IN INORGANIC CHEMISTRY AND RADIOCHEMISTRY, 1, 315-345 (1959), (ENGLISH), UNITED KINGDOM AERE, DIDCOT, ENGLAND.

28 AUBRY, J. + FLECHON, J. + MAY, S.
AN EXAMPLE OF ACTIVATION ANALYSIS USED IN THE STUDY OF THE ROLE OF PALLADIUM IN THE FORMATION OF CHEMICAL DEPOSITS OF NICKEL.
ENERGIE NUCLEAIRE, 2, 359-367 (1960), (FRENCH), FACULTE DES SCIENCES DE NANCY.

29 BAILEY, L.E.
SURFACE ANALYSIS BY NUCLEAR TECHNIQUES. INTERIM TECHNICAL REPORT NO. 1 FOR JULY 1, 1955 TO JULY 31, 1956.
NP-6083, 29P., AUG. 24, 1956, (ENGLISH), STANFORD RESEARCH INST., MENLO PARK, CALIF.

30 BANCIE-GRILLOT, M,
THE DIFFUSION OF SILVER INTO THE CRYSTAL LATTICE
OF LUMINESCENT CADMIUM SULPHIDE,
COMPT, REND,, 242, 1159-1161 (1956), (FRENCH),
LABORATOIRE DE LUMINESCENCE, FACULTE DES SCIENCES
DE PARIS, FRANCE,

31 BANCIE-GRILLOT, M,
RADIOCHEMICAL MICROANALYSIS OF CHLORINE AND SILVER
IN THE LUMINESCENT SULFIDES OF ZINC AND CADMIUM,
15TH INTERNATIONAL CONGRESS OF PURE AND APPLIED
CHEMISTRY, LISBON, PAPER V-12 (FRANCE), 643-650,
1956, (FRENCH), LABORATOIRE DE LUMINESCENCE,
FACULTE DES SCIENCE DE PARIS, FRANCE,

32 BANCIE-GRILLOT, M, * GRILLOT, E,
RADIOCHEMICAL MICROANALYSIS OF CHLORINE IN
CRYSTALS OF LUMINESCENT ZINC SULPHIDE,
COMPT, REND,, 237, 171-173 (1953), (FRENCH),
LABORATOIRE DE LUMINESCENCE, FACULTE DES SCIENCE
DE PARIS, FRANCE,

33 BANKS, T,E, * TUPPER, R, * WHITE, E,M,A, *
WORMALL, A,
MICRO DETERMINATION OF ZINC IN BLOOD AND OTHER
TISSUES BY NEUTRON ACTIVATION ANALYSIS,
BIOCHEM, J,, 71, 21P (1959), (ENGLISH), DEPT, OF
BIOCHEMISTRY AND CHEMISTRY, AND DEPT, OF PHYSICS,
MEDICAL COLLEGE OF ST, BARTHOLOMEW S HOSPITAL,
LONDON, E,C, 1,

34 BANKS, T,E, * TUPPER, R, * WHITE, E,M,A, *
WORMALL, A,
MICRO-DETERMINATION OF ZINC IN BLOOD AND OTHER
TISSUES BY NEUTRON ACTIVATION ANALYSIS,
INTERN, J, APPL, RAD, AND ISOTOPES, 4, 221-226
(1959), (ENGLISH) (FRENCH, RUSSIAN AND GERMAN
SUMMARY), DEPARTMENTS OF BIOCHEMISTRY AND PHYSICS,
THE MEDICAL COLLEGE OF ST, BARTHOLOMEW S HOSPITAL,
LONDON,

35 BERGSTROM, J,
MUSCLE ELECTROLYTES IN MAN DETERMINED BY NEUTRON
ACTIVATION ANALYSIS ON NEEDLE BIOPSY SPECIMENS,
SCAND, J, CLIN, LAB, INVEST,, 14, SUPPL, 68, 110P,
(1962), (ENGLISH), S TERIKS SJUKHUS, STOCKHOLM,

36 BORGHOLTHAUS, D,
A COMPUTER TECHNIQUE FOR SPECTRAL ANALYSIS.
FZM-1969, 19P, (1960), (ENGLISH), CONVAIR, A
DIVISION OF GENERAL DYNAMICS CORP., FORT WORTH,
TEXAS,

37 BARREIRA, F, * LARANJEIRA, M,
ANALYTICAL DISTINCTION BETWEEN NATURAL RUBBER AND
NEOPRENE BY NEUTRON IRRADIATION,
15TH INTERNATIONAL CONGRESS OF PURE AND APPLIED
CHEMISTRY, LISBON, PAPER V-2 (PORTUGAL), 583-586,
1956, (FRENCH), CENTROS DE ESTUDOS DA ENERGIA
NUCLEAR LABORATORIO DE FISICA, LISBONNE,

38 BASILE, R, * HURE, J, * LEVEQUE, P, * SCHUHL, C,
THE POSSIBILITY OF DETERMINING OXYGEN BY THE
(GAMMA,N) REACTION USING A BETATRON,
COMPT, REND,, 239, 422-424 (1954), (FRENCH),
FRANCE,

39 BATE, G.L, * POTRATZ, H.A, * HUIZENGA, J.R,
SCANDIUM, CHROMIUM AND EUROPIUM IN STONE
METEORITES BY SIMULTANEOUS NEUTRON ACTIVATION
ANALYSIS,
GEOCHIM, COSMOCHIM, ACTA, 18, 101-107 (1960),
(ENGLISH) ARGONNE NATIONAL LAB,, LEMONT, ILLINOIS,

40 BATE, G.L, * HUIZENGA, J.R, * POTRATZ, H.A,
THORIUM IN STONE METEORITES BY NEUTRON ACTIVATION
ANALYSIS,
GEOCHIM, COSMOCHIM, ACTA, 16, 88-100 (1959),
(ENGLISH), ARGONNE NATIONAL LAB,, LEMONT,
ILLINOIS,

41 BATE, G.L, * HUIZENGA, J.R, * POTRATZ, H.A,
THORIUM CONTENT OF STONE METEORITES,
SCIENCE, 126, 612-614 (1957), (ENGLISH), ARGONNE
NATIONAL LAB,, LEMONT, ILLINOIS,

42 BATE, G.L, * POTRATZ, H.A, * HUIZENGA, J.R,
THORIUM IN IRON METEORITES A PRELIMINARY
INVESTIGATION,
GEOCHIM, COSMOCHIM, ACTA, 14, 118-125 (1958),
(ENGLISH), ARGONNE NATIONAL LAB,, LEMONT,
ILLINOIS,

43 BATE, L.C, * LEDDICOTTE, G.W,
AN EVALUATION OF THE PARTICLE-SIZE DISTRIBUTION IN
MULTICOMPONENT SYSTEMS,
TID-7568 (PT, 3), 43-55 (1959), (ENGLISH), ORNL,
OAK RIDGE, TENN,

44 BAUMGARTNER, F.
THE PRACTICAL APPLICATION OF AN ACTIVATION ANALYSIS CHLORINE DETERMINATION IN ZINC SULPHIDE.
KERNTECHNIK, 1, 137-139, 183-187 (1959).
(GERMAN). INSTITUT FUR RADIOCHEMIE DER TECHNISCHEN HOCHSCHULE MUNCHEN, REAKTORSTATION GARCHING.

45 BEARD, D.B. * JOHNSON, R.G. * BRADSHAW, W.G.
RADIOACTIVATION OF OXYGEN AND CARBON IN BERYLLIUM.
LMSD-5065, 20P., AUG. 1958. (ENGLISH). NUCLEAR PHYSICS DEPT., RESEARCH AND DEVELOPMENT BRANCH, LOCKHEED AIRCRAFT CORP., SUNNYVALE, CALIF.

46 BEARD, D.B. * JOHNSON, R.G. * BRADSHAW, W.G.
PHOTON ACTIVATION MEASURES OXYGEN, CARBON IN BERYLLIUM.
NUCLEONICS. 17, 90-94, 96 (1959). (ENGLISH), LOCKHEED AIRCRAFT CO., PALO ALTO, CALIF.

47 BENSON, A.A.
APPLICATION OF THE NUCLEAR REACTOR IN BIOCHEMICAL ANALYSIS- NEUTRON ACTIVATION CHROMATOGRAPHY.
SECOND UNITED NATIONS INTERNATIONAL CONFERENCE ON THE PEACEFUL USES OF ATOMIC ENERGY, 24, P/858, 289-293 (1958). (ENGLISH) DEPT. OF AGRICULTURAL AND BIOLOGICAL CHEMISTRY, PENNSYLVANIA STATE UNIV., UNIVERSITY PARK, PENNSYLVANIA.

48 BERGSTROM, J.
DETERMINATION OF CHLORINE IN MUSCLE TISSUES BY NEUTRON ACTIVATION ANALYSIS.
NATURE. 184, 1504-1505 (1959). (ENGLISH). THE CENTRAL CLINICAL LAB., ST. ERIK S HOSPITAL, STOCKHOLM.

49 BRADSHAW, W. * JOHNSON, R. * BEARD, D.
BERYLLIUM ANALYZED FOR TRACE IMPURITIES BY GAMMA-RAY ACTIVATION.
LMSD-288231, 27P., JAN. 1960. (ENGLISH). LOCKHEED AIRCRAFT CORP., MISSILES AND SPACE DIV., SUNNYVALE, CALIF.

50 DAHL, J.B. * JOHANSEN, O. * STEINNES, E.
ACTIVATION ANALYSIS OF IODIDE IN BIOLOGICAL FLUIDS.
KR-80, 10P., DECEMBER 1964. (ENGLISH). INSTITUTE FOR ATOMENERGI, KJELLER RESEARCH ESTABLISHMENT, KJELLER, NORWAY.

51 BEYDON, J. * FISHER, C.
DETERMINATION OF THE OXIDES OF TANTALUM, NIOBIUM AND TITANIUM IN THEIR MIXTURES BY RADIOACTIVITY.
ANAL. CHIM. ACTA, 8, 538-545 (1953), (FRENCH) (ENGLISH SUMMARY), COMMISSARIAT A L ENERGIE ATOMIQUE, DEPARTMENT DE CHIMIE APPLIQUEE GIF-SUR-YVETTE (FRANCE).

52 BEYER, W.W. * LEWIS, J.N. * STUKENBROEKER, G.L.
THE DETERMINATION OF URANIUM-235 BY NEUTRON ACTIVATION USING A RADIUM-BERYLLIUM SOURCE.
TID-7568 (PART 2), 158-177 (1958). (ENGLISH), NATIONAL LEAD COMPANY OF OHIO, CINCINNATI, OHIO.

53 BEYER, W.W. * LEWIS, J.N. * STUKENBROEKER, G.L.
THE DETERMINATION OF U-235 BY NEUTRON ACTIVATION.
TID-7531 (PART 1), 97-120 (1957), (ENGLISH), NATIONAL LEAD COMPANY OF OHIO, CINCINNATI, OHIO.

54 BLANCHARD, R.L. * LEDDICOTTE, G.W.
THE DETERMINATION OF TRACE ELEMENTS IN WATER BY NEUTRON ACTIVATION ANALYSIS.
ORNL-2620, 1-72 (1959), (ENGLISH). US AEC, ORNL, OAK RIDGE, TENNESSEE.

55 BLANCHARD, R.L. * LEDDICOTTE, G.W. * MOELLER, D.W.
NEUTRON-ACTIVATION ANALYSIS OF DRINKING WATER.
SECOND UNITED NATIONS INTERNATIONAL CONFERENCE ON THE PEACEFUL USES OF ATOMIC ENERGY, 28, P/796, 511-516 (1958). (ENGLISH). ORNL, USAEC, OAK RIDGE, TENN.

56 BLANCHARD, R.L. * LEDDICOTTE, G.W. * MOELLER, D.W.
WATER ANALYSIS BY NEUTRON ACTIVATION.
J. AM. WATER WORKS ASSOC., 51, 967-980 (1959). (ENGLISH). ORNL, US AEC, OAK RIDGE, TENNESSEE.

57 BLANZAT, A. * QUESSON, M. * SOULE, J.L. * THOUZEAU, G.
STUDY ON THE HOMGENEITY OF SAMPLES OF COAL FOR ANALYSIS BY ACTIVATION OF THE INORGANIC MATTER IN AN ATOMIC PILE.
BULL. SOC. CHIM. FRANCE, 317-320 (1956), (FRENCH). TRAVAIL EFFECTUE AU CENTRE D ETUDES ET RECHERCHES DES CHARBONNAGES DE FRANCE.

58 GILMAN, A.R. * ISSEROW, S.
ANALYSIS OF OXYGEN IN BERYLLIUM.
NMI-1234, 25P., MAY 3, 1960, (ENGLISH). NUCLEAR METALS INC., CONCORD, MASS.

59 BORG, D.C,
APPLICATION OF ACTIVATION ANALYSIS TO BIOLOGICAL
AND MEDICAL RESEARCH,
SECOND UNITED NATIONS INTERNATIONAL CONFERENCE ON
THE PEACEFUL USES OF ATOMIC ENERGY, 24, P/841,
283-288 (1958), (ENGLISH), MEDICAL DEPT,,
BROOKHAVEN NATIONAL LAB,, UPTON, NEW YORK,

60 BORN, H,J,
STATUS AND SCOPE OF ACTIVATION ANALYSIS,
KERNTECHNIK, 3, 12-14 (1961), (GERMAN), MUNCHEN,
GERMANY,

61 BORN, H,J, * STARK, H,
QUANTITATIVE DETERMINATION OF IODINE AND IODINE
CONTAINING COMPOUNDS ON PAPER CHROMATOGRAMS BY
NEUTRON ACTIVATION,
ATOMKERNENERGIE, 4, 286-289 (1959), (GERMAN)
(ENGLISH SUMMARY), INSTITUT FUR RADIOCHEMIE UND
LABORATORIUM FUR TECHNISCHE PHYSIK DER TH MUNCHEN,
GERMANY,

62 BOWEN, H.J.M.
THE DETERMINATION OF CHLORINE, BROMINE AND IODINE
IN BIOLOGICAL MATERIAL BY ACTIVATION ANALYSIS,
BIOCHEM, J., 73, 381-384 (1959), (ENGLISH),
WANTAGE RADIATION LAB,, GROVE, BERKS, ENGLAND,

63 BOWEN, H.J.M,
THE DETERMINATION OF COPPER AND ZINC IN BIOLOGICAL
MATERIAL BY ACTIVATION ANALYSIS,
INTERN. J. APPL, RAD, AND ISOTOPES, 4, 214-220
(1959), (ENGLISH) (FRENCH, RUSSIAN AND GERMAN
SUMMARIES). TECHNOLOGICAL IRRADIATION GROUP,
ISOTOPE DIVISION, WANTAGE RADIATION LAB,, GROVE,
BERKSHIRE, ENGLAND,

64 BOWEN, H.J.M.
THE DETERMINATION OF MANGANESE IN BIOLOGICAL
MATERIAL BY ACTIVATION ANALYSIS, WITH A NOTE ON
THE GAMMA SPECTRUM OF BLOOD,
J. NUCL. ENERGY, 3, 18-24 (1956), (ENGLISH),
ATOMIC ENERGY RESEARCH ESTABLISHMENT, HARWELL,
DIDCOT, BERKS, ENGLAND,

65 BOWEN, H.J.M.
THE DETERMINATION OF TUNGSTEN IN BIOLOGICAL
MATERIAL BY ACTIVATION ANALYSIS,
BIOCHEM, J., 77, 79-82 (1960), (ENGLISH), WANTAGE
RADIATION LABORATORY, GROVE, BERKS, ENGLAND,

66 BOWEN, H.J.M.
THE DETERMINATION OF GALLIUM AND MOLYBDENUM IN BIOLOGICAL MATERIAL BY ACTIVATION ANALYSIS.
INTERN. J. APPL. RAD. AND ISOTOPES, 5, 227-232 (1959). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN SUMMARIES). TECHNOLOGICAL IRRADIATION GROUP, ISOTOPE DIVISION WANTAGE RADIATION LABORATORY, GROVE, BERKSHIRE, ENGLAND.

67 BOWEN, H.J.M. * DYMOND, J.A.
STRONTIUM AND BARIUM IN PLANTS AND SOILS.
PROC. ROY. SOC. B, 144, 355-368 (1955). (ENGLISH), RADIOLOGICAL RESEARCH UNIT, AERE, HARWELL, ENGLAND.

68 BOWEN, H.J.M. * CAWSE, P.A.
THE DETERMINATION OF INORGANIC ELEMENTS IN BIOLOGICAL TISSUE.
AERE - R 2925, 1-37 (1959). (ENGLISH), WANTAGE RADIATION LABORATORY, GROVE, BERKSHIRE, ENGLAND.

69 HENRY, W.M.
DEVELOPMENT OF ANALYTICAL TECHNIQUES FOR THE DETERMINATION OF MINUTE QUANTITIES OF SELECTED ELEMENTS IN BERYLLIUM, INTERIM REPORT NO. 3, OCT. 6, 1962 THRU DEC. 6, 1962.
AD-294406, 6P., JANUARY 11, 1963, (ENGLISH), BATTELLE MEMORIAL INST., COLUMBUS, OHIO.

70 BOYD, G.E.
THE METHOD OF ACTIVATION ANALYSIS.
AECD-2507, 1-57 (1949). (ENGLISH). ORNL, OAK RIDGE, TENNESSEE.

71 BOYD, G.E. * HUME, D.N.
RADIOCHEMICAL ANALYTICAL METHODS.
NATIONAL NUCLEAR ENERGY SERIES, VOL.VIII, CHAPTER 28, 662-692, MCGRAW HILL, NEW YORK, 1950. (ENGLISH). ORNL, OAK RIDGE, TENN.

72 BOYD, G.E. * LARSON, Q.V.
REPORT ON THE OCCURRENCE OF TECHNETIUM ON THE EARTH S CRUST.
J. PHYS. CHEM., 60, 707-715 (1956). (ENGLISH), ORNL, OAK RIDGE, TENNESSEE.

73 BRADLEY, J.E.S. * BRADLEY, O.
A FIRST ATTEMPT AT A DETERMINATION OF FELSPARS BY ACTIVATION ANALYSIS.
MINERALOG. MAG., 31, 164-172 (1956). (ENGLISH), KINGS COLLEGE, LONDON, W.C. 2, ENGLAND.

74 BRADSHAW, W.G.
AN EVALUATION OF TECHNIQUES FOR THE ANALYSIS OF
OXYGEN IN BERYLLIUM,
LMSD-2312, 1-43, MAR. 14, 1958, (ENGLISH),
LOCKHEED AIRCRAFT CORP., SUNNYVALE, CALIF.

75 BREGER, A.K. * ORMONT, B.F. * KUTSEV, V.S. *
VITING, B.I. * CHAPYZHNIKOV, B.A.
THE UTILIZATION OF BREMSSTRAHLUNG FROM THE
BETATRON FOR THE DETERMINATION OF THE OXYGEN
CONTENT IN SEMI-CONDUCTING AND METALLIC MATERIALS
(WITH SPECIAL REFERENCE TO OXYCARBIDES OF
TITANIUM),
ZH. NEORG. KHIM, 2, NO. 3, 696-703 (1957),
(RUSSIAN) (ENGLISH TRANSLATION J. INORG. CHEM.,
USSR, 2, 358-363 (1957)), USSR.

76 INTERNATIONAL ATOMIC ENERGY COMMISSION
PRACTICAL APPLICATIONS OF SHORT-LIVED
RADIOISOTOPES.
INTERN. AT. ENERGY AGENCY BULL., 5, 24-26 (JAN.
1963). (ENGLISH). INTERNATIONAL ATOMIC ENERGY
COMMISSION.

77 BRONNER, W.L. * EHLERS, K.W. * EUKEL, W.W. *
GORDON, H.S. * MARKER, R.C. * VOELKER, F. *
FINK, R.W.
HIGH-CURRENT, 400-KV COCKCROFT-WALTON ACCELERATOR,
NUCLEONICS, 17, 94-97 (1959), (ENGLISH), APPLIED
RADIATION CORP., WALNUT CREEK, CALIF.

78 BROOKSBANK, W.A., JR.
STUDY IN ACTIVATION ANALYSIS.
ORNL-2226, 1-66 (1956). (ENGLISH). ORNL, OAK
RIDGE, TENNESSEE.

79 BROOKSBANK, W.A. * LEDDICOTTE, G.W.
ION-EXCHANGE SEPARATION OF TRACE IMPURITIES.
J. PHYS. CHEM., 57, 819-823 (1953), (ENGLISH),
ANAL. CHEM. DIV., ORNL, OAK RIDGE, TENNESSEE.

80 BROOKSBANK, W.A. * LEDDICOTTE, G.W. * MAHLMAN, H.A.
ANALYSIS FOR TRACE IMPURITIES BY NEUTRON
ACTIVATION.
J. PHYS. CHEM., 57, 815-819 (1953), (ENGLISH),
ANAL. CHEM. DIV., ORNL, OAK RIDGE, TENNESSEE.

81 BROOKSBANK, W.A., JR. * LEDDICOTTE, G.W. *
REYNOLDS, S.A.
DETERMINATION OF TRACE ELEMENTS IN TITANIUM BY
NEUTRON ACTIVATION ANALYSIS.
ANAL. CHEM., 28, 1033-1035 (1956), (ENGLISH),
ANAL. CHEM. DIV., ORNL, OAK RIDGE, TENNESSEE.

82 BROOKSBANK, W.A., JR. * LEDDICOTTE, G.W. *
STRAIN, J.E.
NEUTRONS IN CHEMICAL ANALYSIS.
NUCLEAR ENG. AND SCI. CONGRESS, CLEVELAND,
PREPRINT 308, 10P., DEC. 1955, (ENGLISH), ORNL,
OAK RIDGE, TENNESSEE.

83 BROOKSBANK, W.A., JR. * LEDDICOTTE, G.W. *
DEAN, J.A.
NEUTRON ACTIVATION ANALYSIS OF ALUMINUM-BASE
ALLOYS.
ANAL. CHEM., 30, 1785-1788 (1958), (ENGLISH),
ANAL. CHEM. DIV., ORNL, OAK RIDGE, TENNESSEE.

84 BROWN, H. * GOLDBERG, E.
THE NEUTRON PILE AS A TOOL IN QUANTITATIVE
ANALYSIS- THE GALLIUM AND PALLADIUM CONTENT OF
IRON METEORITES.
SCIENCE, 109, 347-353 (1949), (ENGLISH), INSTITUTE
FOR NUCLEAR STUDIES, UNIV. OF CHICAGO, AND ARGONNE
NATIONAL LAB., CHICAGO, ILLINOIS.

85 BROWN, H.S. * GOLDBERG, E.D.
THE RADIOMETRIC DETERMINATION OF GOLD AND RHENIUM
IN IRON METEORITES.
AECU-495, 1-6, (ENGLISH), UNIV. OF CHICAGO AND
ARGONNE NATIONAL LAB., CHICAGO, ILLINOIS.

86 BROWN, H. * GOLDBERG, E.
A NEW DETERMINATION OF THE RELATIVE ABUNDANCE OF
RHENIUM IN NATURE.
PHYS. REV., 76, 1260-1261 (1949), (ENGLISH),
INSTITUTE FOR NUCLEAR STUDIES, UNIV. OF CHICAGO
AND ARGONNE NATIONAL LAB., CHICAGO, ILLINOIS.

87 DE BRUYNE, P. * HOSTE, J.
DETERMINATION OF MAGNESIUM IN NODULAR CASTINGS BY
ACTIVATION ANALYSIS USING HIGH-ENERGY DEUTERONS.
BULL. SOC. CHIM. BELG., 72, 761-775 (1963),
(FRENCH) (ENGLISH SUMMARY) RIJKSUNIVERSITET,
GHENT.

88 AMIEL, S. * STUHL, Z.
RADIOACTIVATION ANALYSIS OF MANGANESE BY COUNTING
DEUTERIUM PH PHOTONEUTRONS,
RADIOCHIM. ACTA, 3, NO. 4, 199-204 (1964),
(ENGLISH)(GERMAN AND FRENCH SUMMARIES). NUCLEAR
CHEMISTRY DEPARTMENT, SOREQ RESEARCH
ESTABLISHMENT, ISRAEL ATOMIC ENERGY COMMISSION,
YAVNE, ISRAEL.

89 BROWNLEE, J.L., JR.
NEUTRON ACTIVATION ANALYSIS BY MEANS OF
SHORT-LIVED ISOTOPES,
TID-6311, 1-208 (JUNE 1960), (ENGLISH), DEPT. OF
CHEMISTRY, UNIV. OF MICHIGAN, ANN ARBOR, MICHIGAN.

90 BRJES, A.M. * ROBERTSON, O.H.
DETERMINATION OF PROTEIN BOUND THYROID IODINE BY
NEUTRON ACTIVATION.
EXTRACT FROM AECD-2009 (1947), (ENGLISH), CHICAGO,
ILLINOIS.

91 BURRILL, E.A. * GALE, A.J.
ACTIVATION ANALYSIS WITH VAN DE GRAAFF NEUTRON
SOURCES,
HIGH VOLTAGE ENG. CORP., 1-12, MAY 1954,
(ENGLISH), HIGH VOLTAGE ENG. CORP., CAMBRIDGE,
MASS.

92 BURRILL, E.A. * GALE, A.J.
ACTIVATION ANALYSIS WITH VAN DE GRAAFF NEUTRON
SOURCES,
HIGH VOLTAGE ENG. CORP. BULLETIN AA, 1-12, JULY
1960. (ENGLISH), HIGH VOLTAGE ENG. CORP.,
CAMBRIDGE, MASS.

93 CABELL, M.J. * THOMAS, A.
THE DETERMINATION OF RUBIDIUM AND CAESIUM IN
SODIUM-POTASSIUM ALLOYS AND RELATED MATERIALS BY
RADIOACTIVATION.
AERE C/R 1725, 1-12 (1955), (ENGLISH), AERE
HARWELL, ENGLAND.

94 CABELL, M.J. * SMALES, A.A.
RADIOCHEMICAL METHODS IN ANALYSIS.
RESEARCH (LONDON), 9, 214-219 (1956), (ENGLISH),
AERE, HARWELL, ENGLAND.

95 CABELL, M.J.
NEUTRON ACTIVATION ANALYSIS,
IND. CHEMIST. 33, 345-351 (1957), (ENGLISH), AERE,
HARWELL, ENGLAND.

96 CABELL, M.J. * SMALES, A.A.
THE DETERMINATION OF RUBIDIUM AND CAESIUM IN
ROCKS, MINERALS AND METEORITES BY
NEUTRON-ACTIVATION ANALYSIS.
ANALYST, 82, 390-406 (1957), (ENGLISH), AERE,
HARWELL, ENGLAND.

97 CADWELL, J.J.
FEASIBILITY REPORT-MEASUREMENT OF STAINLESS STEEL
CORROSION RATES BY ACTIVATION ANALYSIS.
HW-39045, 1-23, SEPT. 16, 1955, (ENGLISH),
METALLURGY RESEARCH SUB-SECTION, PILE TECHNOLOGY
SECTION, ENGINEERING DEPT.

98 CALDWELL, R.L. * MILLS, W.R., JR.
ACTIVATION ANALYSIS IN PETROLEUM EXPLORATION
RESEARCH.
NUCL. INSTR. AND METH., 5, 312-322 (1959),
(ENGLISH), SOCONY-MOBIL OIL CO., INC., FIELD
RESEARCH LAB., DALLAS, TEXAS.

99 CALKINS, G.D.
RADIOACTIVE METHODS OF ANALYSIS.
OHIO J. SCI., 52, 151-160 (1952), (ENGLISH),
BATTELLE MEMORIAL INSTITUTE, COLUMBUS, OHIO.

100 CAMERON, A.E. * HERR, W. * HERZOG, W. * LUNDEN, A.
ISOTOPE ENRICHMENT OF BROMINE THROUGH ELECTROLYTIC
TRANSFERENCE IN MOLTEN LEAD BROMIDE.
Z. NATURFORSCH., 11A, 203-205 (1956), (GERMAN),
AUS DEM PHYSIKALISCHEN INSTITUT DER CHALMERS
TECHNISCHEN HOCHSCHULE, GOTEBORG, UND DEM
MAX-PLANCK-INSTITUT FUR CHEMIE, MAINZ, GERMANY.

101 CEMBER, H.
NEUTRON ACTIVATION, AN ULTRASENSITIVE ANALYTICAL
TOOL.
A.M.A. ARCH. IND. HEALTH, 17, 527-532 (1958),
(ENGLISH), GRADUATE SCHOOL OF PUBLIC HEALTH, UNIV.
OF PITTSBURGH.

102 CHAUDRON, G.
CONTRIBUTION TO THE PROBLEM OF LAST TRACES OF
IMPURITIES IN METALS.
BULL. SOC. CHIM. FRANCE, 419-422 (1954), (FRENCH),
LABORATOIRES DE VITRY DU C.N.R.S., FRANCE.

103 CHAUDRON, G,
RADIOANALYSIS OF HIGH PURITY ALUMINUM OBTAINED BY
THE ZONE-MELTING PROCESS,
RECUEIL DES TRAVAUX CHIM, DES PAYS-BAS, 79,
502-509 (1960), (FRENCH), LABORATOIRES DE VITRY
DU C,N,R,S,, FRANCE,

104 CHAUVIN, R, * LEVEQUE, P,
UTILIZATION OF AN IMPULSION DISCRIMINATOR ATTACHED
TO A GAMMA SCINTILLATION DETECTOR FOR ACTIVATION
ANALYSIS.
INTERN, J, APPL, RAD, AND ISOTOPES, 1, 115-122
(1956), (FRENCH) (ENGLISH, RUSSIAN AND GERMAN
SUMMARIES). SECTION D APPLICATIONS DES
RADIOELEMENTS-C,E,N, SACLAY, FRANCE,

105 MAHONY, J,D,
REACTIONS OF HE-3 WITH LIGHT ELEMENTS
APPLICATIONS TO ACTIVATION ANALYSIS,
UCRL-11780 (PH,D, THESIS), 62P,, JANUARY 1965,
(ENGLISH), UCRL, BERKELEY, CALIF

106 CLARK, H,M, * OVERMAN, R,T,
DETERMINATION OF TRACE AMOUNTS OF ELEMENTS BY
RADIOACTIVATION ANALYSIS,
MDDC-1329, 1-5 (1947), (ENGLISH), CLINTON
LABORATORIES.

107 COLARD, J, * KUYPER, E,
APPLICATION OF ACTIVATION ANALYSIS TO SOME
PROBLEMS OF THE PETROLEUM INDUSTRY,
ANNALES DE LA SOCIETE BELGE POUR L ETUDE DU
PETROLE, 2, 49-56 (1960), (FRENCH), CHARGE DU
GROUPE DE SPECTROMETRIE AU CENTRE D ETUDE DE L
ENERGIE NUCLEAIRE,

108 COLEMAN, R,F, * PERKIN, J,L,
THE DETERMINATION OF THE OXYGEN CONTENT OF
BERYLLIUM METAL BY ACTIVATION,
ANALYST, 84, 233-236 (1959), (ENGLISH), UK AEA,
AWRE, ALDERMASTON, BERKS, ENGLAND.

109 COLEMAN, R,F, * PERKIN, J,L,
APPARATUS FOR THE ROUTINE DETERMINATION OF THE
OXYGEN CONTENT OF BERYLLIUM METAL BY ACTIVATION,
ANALYST, 85, 154-155 (1960), (ENGLISH), UK AEA,
AWRE, ALDERMASTON, BERKS, ENGLAND,

110 COLEMAN, R.F.
ISOTOPIC DETERMINATION OF LITHIUM BY NEUTRON ACTIVATION.
ANALYST, 85, 285-288 (1960), (ENGLISH), UK AEA, AWRE, ALDERMASTON, BERKS, ENGLAND.

111 COLEMAN, R.F.
THE DETERMINATION OF TRACE ELEMENTS BY FAST-NEUTRON ACTIVATION ANALYSIS.
ANALYST, 86, 39-44 (1961), (ENGLISH), UK AEA, AWRE, ALDERMASTON, BERKS, ENGLAND.

112 KOZUKA, H, * NIWASE, K,
APPLICATION OF ACTIVATION ANALYSIS IN CRIMINAL INVESTIGATIONS,
KAGAKU KEISATSU KENKYUSHO HOKOKU, 19, 211-214 (SEPTEMBER 1966), (JAPANESE), NATIONAL RESEARCH INSTITUTE OF POLICE SCIENCES, JAPAN.

113 MARTIN, T.C, * MATHUR, S.C, * MORGAN, I.L,
THE APPLICATION OF NUCLEAR TECHNIQUES IN COAL ANALYSIS.
CONF-124-1, 40P., (1963), (ENGLISH), TEXAS NUCLEAR CORP., AUSTIN, TEXAS,

114 COON, J.H,
HE-3 ISOTOPIC ABUNDANCE,
PHYS. REV., 75, 1355-1357 (1949), (ENGLISH), LOS ALAMOS SCIENTIFIC LAB., LOS ALAMOS, NEW MEXICO,

115 CORNISH, F.W.
A PRELIMINARY REPORT ON THE DETERMINATION OF SUBMICROGRAM QUANTITIES OF INDIVIDUAL RARE EARTHS BY RADIOACTIVATION USING ION EXCHANGE SEPARATION,
AERE C/R 1224, 1-44 (1953), (ENGLISH), AERE, HARWELL, BERKS, ENGLAND,

116 COSGROVE, J,F, * MORRISON, G.H,
ACTIVATION ANALYSIS OF TRACE IMPURITIES IN TUNGSTEN USING SCINTILLATION SPECTROMETRY,
ANAL. CHEM., 29, 1017-1019 (1957), (ENGLISH), CHEMISTRY LAB., SYLVANIA ELECTRIC PRODUCTS INC., FLUSHING, N.Y.

117 COSGROVE, J.F, * BASTIAN, R.P, * MORRISON, G.H,
DETERMINATION OF TRACES OF MIXED HALIDES BY ACTIVATION ANALYSIS,
ANAL. CHEM., 30, 1872-1874 (1958), (ENGLISH), RESEARCH LABORATORIES, SYLVANIA ELECTRIC PRODUCTS INC., BAYSIDE, N.Y.

118 CURIE, I.
DETECTION AND ANALYSIS OF CARBON IN STEEL BY
INDUCED RADIOACTIVITY
J. PHYS. RADIUM, 13, 497-498 (1952), (FRENCH),
LABORATOIRE CURIE DE L INSTITUT DU RADIUM DE
PARIS.

119 CURIE, I.
DETECTION AND DETERMINATION OF CARBON IN STEEL BY
THE USE OF ARTIFICIAL RADIOACTIVITY,
BULL. SOC. CHIM. FRANCE, C94-C97 (1953), (FRENCH),
LABORATOIRE CURIE DE L INSTITUT DU RADIUM DE
PARIS.

120 CURIE, I. * FARAGGI, H.
AUTORADIOGRAPHY WITH NEUTRONS. THE DETERMINATION
OF URANIUM AND THORIUM CONCENTRATIONS IN MINERALS,
COMPT. REND., 232, 959-961 (1951). (FRENCH),
LABORATOIRE CURIE DE L INSTITUT DU RADIUM DE
PARIS.

121 CURRAN, S.C.
THE AGE OF THE EARTH AND MINERAL DEPOSITS,
ATOMICS, 3, 5-13, 19 (1952), (ENGLISH), THE
UNIVERSITY OF GLASGOW.

122 CURRAN, S.C.
THE DETERMINATION OF GEOLOGICAL AGE BY MEANS OF
RADIOACTIVITY.
QUARTERLY REVIEWS (LONDON), 7, 1-18 (1953).
(ENGLISH). DEPT. OF PHYSICS, UNIV. OF GLASGOW.

123 CURTIS, H.J. * TERESI, J.D.
ACTIVITY IN TISSUES INDUCED BY SLOW-NEUTRON
BOMBARDMENT.
AECD-2872, 1-10 (1946). (ENGLISH). CLINTON
LABORATORIES.

124 DALE, B. MCS.
A PROCEDURE FOR THE DETERMINATION OF ARSENIC,
GOLD, AND COBALT IN BIOLOGICAL TISSUES.
DISSERTATION ABSTR., 20, 472-473 (1959),
(ENGLISH). OHIO STATE UNIVERSITY.

125 DANGUY, L. * QUIVY, R.
CONTINUOUS MEASUREMENT OF A NEUTRON FLUX BY ACTIVATION OF CIRCULATING SOLUTIONS.
INTERN. J. APPL. RAD. AND ISOTOPES, 5, 135-140 (1959). (FRENCH) (ENGLISH, RUSSIAN AND GERMAN SUMMARIES). INSTITUT INTERUNIVERSITAIRE DES SCIENCES NUCLEAIRES, CENTRE DE LA FACULTE POLYTECHNIQUE DE MONS, BELGIQUE.

126 DAJDEL, R.
QUALITATIVE AND QUANTITATIVE ANALYSIS BY MEANS OF RADIOACTIVE ELEMENTS.
COMPT. REND., 218, 234-236 (1944). (FRENCH). INSTITUT DU RADIUM, PARIS, FRANCE.

127 DAJDEL, P.
RADIOACTIVITY IN THE SERVICE OF CHEMICAL ANALYSIS.
ANAL. CHIM. ACTA, 5, 426-444 (1951). (FRENCH) (ENGLISH AND GERMAN SUMMARIES). INSTITUT DU RADIUM, PARIS, FRANCE.

128 DAUDEL, P.
THE USE OF RADIOACTIVE INDICATORS IN ORGANIC ANALYSIS.
CHIM. ANAL., 40, 325-331 (1958). (FRENCH). CHARGEE DE RECHERCHES AU C.N.R.S.

129 DE, A.K.
ACTIVATION ANALYSIS.
J. SCI. AND IND. RES., 16A, 337-339 (1957). (ENGLISH). DEPT. OF CHEMISTRY, COLLEGE OF ARTS AND SCIENCE, JADAVPUR UNIV., CALCUTTA, INDIA.

130 DE, A.K. * MEINKE, W.W.
ACTIVATION ANALYSIS WITH AN ANTIMONY-BERYLLIUM NEUTRON SOURCE.
ANAL. CHEM., 30, 1474-1482 (1958). (ENGLISH). DEPT. OF CHEM., UNIV. OF MICHIGAN, ANN ARBOR, MICH.

131 ANDERS, O.U. * BRIDEN, D.W.
TRACE OXYGEN DETERMINATION IN CESIUM METAL AND THE PROBLEM OF RECOILS FROM THE ATMOSPHERE DURING FAST-NEUTRON ACTIVATIONS.
ANAL. CHEM., 37, 530-533 (1965). (ENGLISH). RADIOCHEMISTRY RESEARCH LABORATORY, THE DOW CHEMICAL CO., MIDLAND, MICH.

132 DEHAAN, A., JR.
ACTIVATION ANALYSIS FOR INDUSTRY,
AM. SOC. TESTING MATERIALS SPEC. TECH. PUBL., 215,
54-61 (1958). (ENGLISH). TRACERLAB INC., RICHMOND,
CALIF.

133 DELBECQ, C.J. * GLENDENIN, L.E. * YUSTER, P.H.
DETERMINATION OF THALLIUM BY RADIOACTIVATION,
APPLICATION TO POTASSIUM IODIDE,
ANAL. CHEM., 25, 350-351 (1953), (ENGLISH).
CHEMISTRY DEPT., ARGONNE NATIONAL LAB., CHICAGO,
ILL.

134 DEWAR, W.A. * LENIHAN, J.M.A.
A CASE OF CHRONIC ARSENICAL POISONING EXAMINATION
OF TISSUE SAMPLES BY ACTIVATION ANALYSIS,
SCOT MED. J., 1, 236-238 (1956), (ENGLISH). DEPT.
OF DERMATOLOGY, STOBHILL GENERAL HOSPITAL AND
REGIONAL PHYSICS DEPT., GLASGOW,

135 DOPEL, R. * DOPEL, K.
EXTENSION OF THE LIMIT OF SENSITIVITY OF SPECTRAL
ANALYSIS OF TRACE ELEMENTS BY MEANS OF THE
ANALYSIS OF NUCLEAR PHYSICAL EMISSION,
PHYSIK. Z., 44, 261-268 (1943), (GERMAN). GERMANY,

136 DRUYAN, R. * MITCHELL, T.G. * KING, E.R.
NEUTRON ACTIVATION ANALYSIS IN THE DETERMINATION
OF BONE SODIUM,
J. LAB. AND CLIN. MED., 52, 304-308 (1958),
(ENGLISH). NUCLEAR MEDICINE BRANCH, DEPT. OF
RADIOLOGY, USNH, BETHESDA, MD,

137 MATSUMOTO, W.Y.
THE DETERMINATION THORIUM ISOTOPIC RATIOS BY
RADIOCHEMICAL METHODS,
HW-SA-2208. 21P, (1961), (ENGLISH), GEN. ELEC.
CO.. HANFORD ATOMIC PRODUCTS OPERATION, RICHLAND,
WASH.

138 WOLFE, R. * DUNN, R.W. * TOBIAS, C.A.
ACTIVATION TRACE ANALYSIS,
UCRL-480. 37-50 (NOV. 1949), (ENGLISH). UNIV. OF
CALIF. RADIATION LAB., BERKELEY, CALIF.

139 ROSS, A.M.
THE IDENTIFICATION AND DETERMINATION OF TRACE
AMOUNTS OF RARE EARTHS IN GRAPHITE BY NEUTRON
ACTIVATION.
HW-14337. 29P., SEPTEMBER 1, 1949. (ENGLISH),
HANFORD WORKS, RICHLAND, WASH,

140 SOCIETA RICERCHE IMPIANTI NUCLEARI
DETERMINATION OF TRACE-ELEMENTS IN IRON SAMPLES BY NEUTRON-ACTIVATION TECHNIQUES,
EURAEC-1273, NOVEMBER 1964, (ENGLISH), SOCIETA RICERCHE IMPIANTI NUCLEARI, MILAN, ITALY.

141 EASTWOOD, T.A.
THE SENSITIVITY OF THE RADIOACTIVATION METHOD FOR THE DETERMINATION OF TRACE IMPURITIES IN HIGHLY REFINED METALS.
CI-193, 4P., AUGUST 12, 1952, (ENGLISH), ATOMIC ENERGY OF CANADA LTD., RESEARCH DIVISION, CHALK RIVER, ONTARIO, CANADA.

142 EBERT, K.H. * KONIG, H. * WANKE, H.
A NEW METHOD OF DETERMINATION FOR VERY SMALL AMOUNTS OF URANIUM AND ITS APPLICATION TO STONE METEORITES.
Z. NATURFORSCH., 12A, 763-765 (1957), (GERMAN), AUS DEM MAX-PLANCK-INSTITUT FUR CHEMIE, MAINZ, GERMANY.

143 EBERT, K.H. * HERNEGGER, F. * KONIG, H. * WANKE, H.
THE BREITSCHEID METEORITE - IV. RADIOCHEMICAL SEPARATIONS, C-URANIUM.
GEOCHIM. COSMOCHIM. ACTA, 17, 349-350 (1959) (GERMAN). INSTITUT FUR CHEMISCHE TECHNOLOGIE DER TECHNISCHEN HOCHSCHULE, MUNCHEN, GERMANY.

144 EDWARDS, L.C.
AUTORADIOGRAPHY BY NEUTRON ACTIVATION THE CELLULAR DISTRIBUTION OF BORON-10 IN THE TRANSPLANTED MOUSE BRAIN TUMOUR.
INTERN. J. APPL. RAD. AND ISOTOPES, 1, 184-190 (1956). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN SUMMARIES). DEPT. OF NEUROSURGERY, MASSACHUSETTS GENERAL HOSPITAL.

145 EHMANN, W.D.
SOME HEAVY ELEMENT METEORITIC ABUNDANCES BY USE OF ACTIVATION ANALYSIS,
XVIIITH INTERNATIONAL CONGRESS OF PURE AND APPLIED CHEMISTRY, MONTREAL, CANADA, 1-16, AUGUST 8, 1961, (ENGLISH) DEPT. OF CHEMISTRY, UNIV. OF KENTUCKY, LEXINGTON, KENTUCKY.

146 EHMANN, W.D. * HUIZENGA, J.R.
BISMUTH, THALLIUM AND MERCURY IN STONE METEORITES BY ACTIVATION ANALYSIS.
GEOCHIM. COSMOCHIM. ACTA, 17, 125-135 (1959). (ENGLISH). ARGONNE NATIONAL LAB., LEMONT, ILLINOIS.

147 EICHHOLZ, G.G.
ACTIVATION ASSAYING FOR TANTALUM ORES.
NUCLEONICS, 10, NO. 12, 58-61 (1952). (ENGLISH). RADIOACTIVITY DIVISION, DEPT. OF MINES AND TECHNICAL SURVEYS, OTTAWA, CANADA.

148 ERION, W.E. * MOTT, W.E. * SHEDLOVSKY, J.P.
DETERMINATION OF SELENIUM CONTENT OF ELEMENTAL SULFUR BY NEUTRON ACTIVATION.
TRANS. AM. NUCL. SOC., 3, 252-254 (1960). USA.

149 EROKHINA, K.I. * LEMBERT, I.K. * MAKASHEVA, I.E. * MASLOV, I.A. * BUKHOV, A.P.
THE DETERMINATION OF MICROPIMPURITIES IN SILICON FROM THE GAMMA-SPECTRA OF THEIR RADIOISOTOPES.
ZAVODSKAYA LAB., 26, NO. 7, 821-827 (1960). (RUSSIAN). RUSSIA.

150 ALBERT, P.
RADIOACTIVATION ANALYSIS.
APPLICATIONS DES RADIOISOTOPES A L ANALYSE CHIMIQUE. GAUTHIER-VILLARS AND CIE, PARIS, 168P., 1964. (FRENCH). C.N.R.S., FRANCE.

151 FACCHINI, U. * ORSONI, L.
A METHOD FOR THE DETERMINATION OF URANIUM CONTENT IN MINERALS BY USING THE FISSION OF U-235.
NUOVO CIMENTO, 6, 241-254 (1949). (ITALIAN) (ENGLISH SUMMARY). CENTRO INFORMAZIONI STUDI ESPERIENZE (C.I.S.E). MILANO, ITALY.

152 TAYLOR, D.
NEUTRON IRRADIATION AND ACTIVATION ANALYSIS.
NEUTRON IRRADIATION AND ACTIVATION ANALYSIS, D. VAN NOSTRAND CO., INC., PRINCETON, N.J., 185P., 1964.(ENGLISH). PLESSEY CO. (U.K.) LTD., ENGLAND.

153 HAHN, R.L.
THE RECOIL TECHNIQUE AND ITS POSSIBLE USE IN ACTIVATION ANALYSIS.
ANAL. CHEM., 40, NO. 1, 219-221 (JANUARY 1968). (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE.

154 FERGUSSON, A.G. * DEWAR, W.A. * SMITH, H.
ARSENIC VALUES IN VARIOUS SKIN DISEASES, ESTIMATED BY ACTIVATION ANALYSIS.
A.M.A. ARCHIVES OF DERMATOLOGY, 81, 931-935 (1960). (ENGLISH). DEPT. OF DERMATOLOGY, STOBHILL GENERAL HOSPITAL AND DEPT. OF FORENSIC MEDICINE, UNIVERSITY OF GLASGOW.

155 ANDERSON, J. * OSBORN, S.B. * TOMLINSON, R.W.S. * NEWTON, D. * RUNDO, J. * SALMON, L. * SMITH, J.W.
NEUTRON-ACTIVATION ANALYSIS IN MAN IN VIVO. A NEW TECHNIQUE IN MEDICAL INVESTIGATION.
LANCET, 2, 1201-1205 (DECEMBER 5, 1964). (ENGLISH). ENGLAND.

156 TEXAS A AND M
AN INVESTIGATION OF COMPUTER-COUPLED, AUTOMATIC ACTIVATION ANALYSIS, ANNUAL REPORT.
TEES-2671-3, 147P., JANUARY 1, 1964. (ENGLISH). TEXAS A AND M UNIVERSITY, COLLEGE STATION, TEXAS.

157 FINK, R.W.
SOME LIMITATIONS ON THE USE OF NEUTRON ACTIVATION ANALYSIS.
ORO-165, 3P., 1957. (ENGLISH). DEPT. OF CHEMISTRY, UNIV. OF ARKANSAS, FAYETTEVILLE, ARKANSAS.

158 FIREMAN, E.L. * SCHWARZER, D.
MEASUREMENT OF LI-6, HE-3, AND H-3 IN METEORITES AND ITS RELATION TO COSMIC RADIATION.
GEOCHIM. COSMOCHIM. ACTA, 11, 252-262 (1957). (ENGLISH). BROOKHAVEN NATIONAL LAB., UPTON, NEW YORK.

159 FISHER, C.
APPLICATION OF RADIOELEMENTS TO CHEMICAL ANALYSIS.
RAPPORT CEA NO. 523, 3P, (1956). (FRENCH). CEN, SACLAY, FRANCE.

160 FOGELSTROM-FINEMAN, I. * HOLM-HANSEN, O. * TOLBERT, B.M. * CALVIN, M.
A TRACER STUDY WITH O-18 IN PHOTOSYNTHESIS BY ACTIVATION ANALYSIS.
INTERN. J. APPL. RAD. AND ISOTOPES, 2, 280-286 (1957). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN SUMMARIES). DEPT. OF CHEMISTRY AND RADIATION LAB., UNIV. OF CALIFORNIA, BERKELEY, CALIF.

161 FOSTER, L.M. * GAITANIS, C.D.
DETERMINATION OF PHOSPHORUS IN ALUMINUM AND ALUMINUM OXIDE BY RADIOACTIVATION ANALYSIS.
ANAL. CHEM., 27, 1342-1344 (1955). (ENGLISH). ALUMINUM RESEARCH LABORATORIES, NEW KENSINGTON, PA.

162 FOJARGE, J.
CHEMICAL ANALYSIS BY NEUTRON ACTIVATION.
IND. CHIM. BELGE, 24, 143-154 (1959), (FRENCH) (ENGLISH AND GERMAN SUMMARIES). CHEMISTRY DEPT., UNIV. OF MICHIGAN, ANN ARBOR, MICH.

163 FREEDMAN, M.S.
GOLD RADIOACTIVITY IN NEUTRON IRRADIATED DIAMOND.
J. CHEM. PHYS., 20, 1040 (1952), (ENGLISH). ARGONNE NATIONAL LAB., CHICAGO, ILLINOIS.

164 FUKAI, R. * MEINKE, W.W.
TRACE ANALYSIS OF MARINE ORGANISMS A COMPARISON OF ACTIVATION ANALYSIS AND CONVENTIONAL METHODS.
LIMNOLOGY AND OCEANOGRAPHY, 4, 398-408 (1959), (ENGLISH). DEPT. OF CHEMISTRY, UNIV. OF MICHIGAN, ANN ARBOR, MICHIGAN.

165 FUKAI, R. * MEINKE, W.W.
SOME ACTIVATION ANALYSES OF SIX TRACE ELEMENTS IN MARINE BIOLOGICAL ASHES.
NATURE, 184, 815-816 (1959), (ENGLISH). DEPT. OF CHEMISTRY, UNIV. OF MICHIGAN, ANN ARBOR, MICH.

166 GAITTET, J.
THESIS. CONTRIBUTION TO THE SYSTEMATIC ANALYSIS OF HIGH PURITY IRON AND ALUMINUM BY ACTIVATION WITH NEUTRONS.
SERIE A, NO. 884 NO. D ORDRE 908, 1219-1271 (1960). (FRENCH). FACULTE DES SCIENCES DE L UNIVERSITE DE PARIS, FRANCE.

167 GAITTET, J. * ALBERT, P.
SYSTEMATIC ANALYSIS OF IMPURITIES IN ZONE REFINED ALUMINUM AND IRON BY IRRADIATION IN THE ATOMIC PILE.
COMPT. REND., 247, 1861-1863 (1958), (FRENCH). FRANCE.

168 GATROUSIS, C.
NEUTRON ACTIVATION ANALYSIS,
CHAPTER IV, APPLIED GAMMA RAY SPECTROMETRY,
EDITED BY C.E. CROUTHAMEL, PERGAMON PRESS, N.Y.,
1960. (ENGLISH), USA.

169 GAUDIN, A.M. * DASHER, J. * PANNELL, J.H. *
FREYBERGER, W.L.
USE OF AN INDUCED NUCLEAR REACTION FOR THE
CONCENTRATION OF BERYL.
TRANS. AIME, 187, 495-498 (1950), (ENGLISH), USA.

170 GAUDIN, A.M. * PANNELL, J.H.
DETERMINATION OF BERYLLIUM BY PHOTODISINTEGRATION,
ANAL. CHEM., 23, 1261-1265 (1951). (ENGLISH),
MINERAL ENGINERRING LAB., MIT, CAMBRIDGE, MASS.

171 GAUDIN, A.M. * SENFTLE, F.E. * FREYBERGER, W.L.
HOW INDUCED RADIOACTIVITY MAY HELP SEPARATE
MINERALS.
ENG. MINING J., 153, 95-99, 174, 176 (1952),
(ENGLISH). CAMBRIDGE, MASS.

172 GAUTHIER, P.
DETERMINATION OF MICRO AMOUNTS OF ARSENIC IN
PYRITES BY RADIOCHEMISTRY.
15TH INTERNATIONAL CONGRESS OF PURE AND APPLIED
CHEMISTRY, LISBON, PAPER V-10 (FRANCE), 628-633,
1956. (FRENCH). LABORATOIRE CENTRAL DES ETS.
KUHLMANN, PARIS, FRANCE.

173 GAUTHIER, P.
THE USE OF GAMMA-RAY SPECTROMETRY IN CHEMICAL
ANALYSIS,
ACTA ELECTRONICA, 3, 295-305 (1959), (FRENCH).
LABORATOIRES DE LA SOCIETE KUHLMANN, LEVALLOIS,
FRANCE.

174 GEBAUHR, W. * MARTIN, J.
ESTIMATION OF TRACE IMPURITIES IN HIGH-PURITY
PHOSPHORUS BY ACTIVATION ANALYSIS.
INTERN. J. APPL. RAD. AND ISOTOPES, 4, 173-178
(1959). (GERMAN) (ENGLISH, FRENCH AND RUSSIAN
SUMMARIES). FORSCHUNGSLABORATORIUM DER
SIEMENS-SCHUCKERTWERKE AG, ERLANGEN, GERMANY.

175 TOMNOVEC, F.M.
SOIL ANALYSIS BY NEUTRON ACTIVATION,
USNRDL-TR-396, 11P., 28 JANUARY 1960. (ENGLISH).
USNRDL, SAN FRANCISCO, CALIF.

176 GETOFF, N.
RADIOMETRIC ANALYSIS OF HAFNIUM IN ZIRCONIUM.
ATOMPRAXIS, 5, 472-474 (1959), (GERMAN) (ENGLISH
AND FRENCH SUMMARIES), GERMANY.

177 GIBBONS, D. * LOVERIDGE, B.A. * MILLETT, R.J.
RADIOACTIVATION ANALYSIS, A BIBLIOGRAPHY.
AERE I/R 2208, 37P, (1957), (ENGLISH), UK AEA
RESEARCH GROUP, HARWELL, BERKSHIRE, ENGLAND.

178 GIBBONS, D.
THE DETERMINATION OF GOLD IN BIOLOGICAL MATERIALS
BY NEUTRON ACTIVATION ANALYSIS.
INTERN. J. APPL. RAD. AND ISOTOPES, 4, 45-49
(1958), (ENGLISH) (FRENCH, RUSSIAN AND GERMAN
SUMMARIES). ISOTOPE DIVISION, AERE, HARWELL,
ENGLAND.

179 GIBBONS, D. * SIMPSON, H.
DETERMINATION OF TANTALUM IN HIGH-TANTALUM
FERRO-ALLOYS.
PURE AND APPLIED CHEMISTRY, 1, 135-137 (1960),
(ENGLISH) (FRENCH SUMMARY), ISOTOPE AND RESEARCH
DIVISION, AERE, HARWELL, ENGLAND.

180 GIBBONS, D.
THE DETERMINATION OF SUB-MICROGRAM AMOUNTS OF
CADMIUM IN SUPER-PURE ZINC BY NEUTRON ACTIVATION
ANALYSIS.
PROC. INTERNATIONAL SYMPOSIUM ON MICROCHEMISTRY
1958, PERGAMON PRESS, LONDON, 332-335, 1960,
(ENGLISH), UK AERE, HARWELL, ENGLAND.

181 GILL, R.A.
PROTON ACTIVATION ANALYSIS IN THE DETERMINATION OF
SUBMICROGRAM AMOUNTS OF BORON IN SILICON.
AERE C/R 2758, 25P, (1958), (ENGLISH), UK AERE,
HARWELL, BERKSHIRE, ENGLAND.

183 RUCH, R.R. * GUINN, V.P. * PINKER, R.H.
DETECTION OF GUNPOWDER RESIDUES BY NEUTRON
ACTIVATION.
NUCL. SCI. AND ENG., 20, 381-385 (1964),
(ENGLISH). GENERAL ATOMIC DIVISION, GENERAL
DYNAMICS CORP., SAN DIEGO, CALIF.

184 GOLD, R.
BERYLLIUM-HAZARD DETECTION USING POLONIUM-210 ALPHAS.
NUCLEONICS, 15, NO. 11, 114, 117-118 (1957), (ENGLISH). ARMOUR RESEARCH FOUNDATION OF THE ILLINOIS INSTITUTE OF TECHNOLOGY, CHICAGO, ILLINOIS.

185 GOLD, R. * STONE, C.A.
DETECTION OF AIR-BORNE BERYLLIUM DUST, FINAL REPORT COVERING THE PERIOD FROM MAY 1955 TO FEBRUARY 1957.
AECU-3505, 76P., APRIL 25, 1957, (ENGLISH). ARMOUR RESEARCH FOUNDATION, ILLINOIS INSTITUTE OF TECHNOLOGY, CHICAGO, ILLINOIS.

186 GOLDERG, E.D. * BROWN, H.
RADIOMETRIC DETERMINATION OF GOLD AND RHENIUM.
ANAL. CHEM., 22, 308-311 (1950), (ENGLISH). INSTITUTE FOR NUCLEAR STUDIES, UNIV. OF CHICAGO AND ARGONNE NATIONAL LABORATORY, CHICAGO, ILL.

187 GOLDBERG, E. * UCHIYAMA, A. * BROWN, H.
THE DISTRIBUTION OF NICKEL, COBALT, GALLIUM, PALLADIUM AND GOLD IN IRON METEORITES.
GEOCHIM. COSMOCHIM. ACTA, 2, 1-25 (1951). (ENGLISH). INSTITUTE FOR NUCLEAR STUDIES, UNIV. OF CHICAGO.

188 GOLDSCHMIDT, B. * DJOURKOVITCH, O.
CHEMICAL ANALYSIS BY ARTIFICIAL RADIOACTIVITY, DETERMINATION OF DYSPROSIUM IN FRACTIONS OF YTTRIUM EARTHS.
BULL. SOC. CHIM. FRANCE, 6, 718-726 (1939). (FRENCH). INSTITUT DU RADIUM, LABORATOIRE CURIE, FRANCE.

189 GOODMAN, C. * THOMPSON, G.A.
AUTORADIOGRAPHY OF MINERALS.
AMERICAN MINERALOGIST, 28, 456-467 (1943), (ENGLISH). MIT, CAMBRIDGE, MASS.

190 GORDON, C.L.
NUCLEONICS.
ANAL. CHEM., 23, 81-86 (1951), (ENGLISH), NBS, WASHINGTON, D.C.

191 GORDON, C.L.
NUCLEONICS.
ANAL. CHEM., 26, 176-181 (1954), (ENGLISH), NBS, WASHINGTON, D.C.

192 GORSUCH, T.T.
RADIOCHEMICAL INVESTIGATIONS ON THE RECOVERY FOR ANALYSIS OF TRACE ELEMENTS IN ORGANIC AND BIOLOGICAL MATERIALS.
ANALYST, 84, 135-173 (1959), (ENGLISH), RADIOCHEMICAL CENTRE, WHITE LION ROAD, AMERSHAM, BUCKS, ENGLAND.

193 GOTO, H. * AMANO, H. * INOUE, Y.
THE DETERMINATION OF SILVER AND ARSENIC IN HIGH-PURITY METALLIC SILICON BY USING THE RADIOACTIVATION METHOD.
J. JAPAN INST. METALS, 24, 85-88 (1960), (JAPANESE). (ENGLISH SUMMARY), TOHOKU UNIV. RES. INST. FOR IRON, STEEL AND OTHER METALS, JAPAN.

194 GOTTE, H. * HATTEMER, J.A.
RADIOACTIVATION ANALYSIS DETERMINATION OF ARSENIC IN TEETH.
Z. NATURFORSCH., 10B, 343-345 (1955), (GERMAN). AUS DEM MAX-PLANCK-INSTITUT FUR CHEMIE UND DER UNIVERSITATSZAHNKLINIK MAINZ, GERMANY.

195 GOTTE, H.
APPLICATION OF RADIOACTIVITY IN ANALYTICAL CHEMISTRY.
MIKROCHIM. ACTA, 27-42 (1956), (GERMAN) (ENGLISH AND FRENCH SUMMARIES), MAX-PLANCK-INSTITUT FUR CHEMIE, MAINZ, GERMANY.

196 BORN, H.J. * AUMANN, D.C.
ACTIVATION ANALYTICAL DETERMINATION OF LITHIUM WITH THE AID OF THE CHAIN REACTIONS LITHIUM-6 (N,A)-HELIUM-3 AND OXYGEN-16 (T,N) FLUORINE-18.
NATURWISSENSCHAFTEN, 51, 159-160 (1964), (GERMAN), INSTITUT FUR RADIOCHEMIE DER TECHNISCHEN HOCHSCHULE, MUNCHEN, GERMANY.

197 GRANDJEAN, P. * LERCH, P. * MONNIER, R.
STUDIES ON THE PRODUCTION, SEPARATION AND PURIFICATION OF TANTALUM AND NIOBIUM, PARTICULARLY BY THE ELECTROLYTIC METHOD. I. DETERMINATION OF TA AND NB BY MEANS OF THE RADIOISOTOPES OF THESE ELEMENTS.
HELV. CHIM. ACTA, 43, 848-852 (1960), (FRENCH) (ENGLISH SUMMARY), LABORATOIRE DE CHIMIE ET D ELECTROCHIMIE TECHNIQUES DE L UNIVERSITE DE GENEVE.

198 GRIFFON, H. * BARBAUD, J.
THE USE IN TOXICOLOGY OF THE RADIOACTIVITY INDUCED IN ARSENIC FOR THE DETECTION AND STUDY OF THE DISTRIBUTION OF THIS ELEMENT IN HAIR,
COMPT. REND., 232, 1455-1457 (1951), (FRENCH), FRANCE.

199 VOGT, J.R. * EHMANN, W.D.
AN AUTOMATED PROCEDURE FOR THE DETERMINATION OF OXYGEN USING FAST NEUTRON ACTIVATION ANALYSIS OXYGEN IN STONY METEORITES,
RADIOCHIM. ACTA, 4, 24-28 (1965), (ENGLISH) (GERMAN AND FRENCH SUMMARIES), DEPARTMENT OF CHEMISTRY, UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY.

200 GRILLOT, E.
SENSITIVE METHOD OF DETECTION AND MICRODETERMINATION OF COPPER IN SOLIDS AT DIFFERENT STAGES IN THE PREPARATION OF LUMINESCENT SUBSTANCES.
COMPT. REND., 234, 1775-1777 (1952), (FRENCH), FRANCE.

201 RICCI, E. * HAHN, R.L.
RAPID CALCULATION OF SENSITIVITIES, INTERFERENCES, AND OPTIMUM BOMBARDING ENERGIES IN HELIUM-3 ACTIVATION ANALYSIS,
ANAL. CHEM., 40, NO. 1, 54-60 (1968), (ENGLISH), ANALYTICAL CHEMISTRY DIVISION, OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE,

202 GRILLOT, E.
RADIOCHEMICAL MICRODETERMINATION OF ACTIVE IMPURITIES IN LUMINESCENT MINERAL CRYSTALS.
15TH INTERNATIONAL CONGRESS OF PURE AND APPLIED CHEMISTRY, LISBON, PAPER V-11 (FRANCE), 634-642, 1956, (FRENCH), LABORATOIRE DE LUMINESCENCE, FACULTE DES SCIENCES DE PARIS, PARIS, FRANCE.

203 GUEBEN, G. * GOVAERTS, J.
THE METHOD OF ACTIVATION ANALYSIS USING NEUTRONS FROM A RA-BE SOURCE,
INSTITUT INTERUNIVERSITAIRE DES SCIENCES NUCLEAIRES, MONOGRAPHIE NO. 2 (BRUSSELS), 131P., 1957, (FRENCH), BELGIUM.

204 DRESSER INDUSTRIES INC.
EQUIPMENT FOR ACTIVATION ANALYSIS OF OCEAN BOTTOM
CORES (ENGINEERING MATERIALS).
CAPE-1010, 46 UNITS, UNDATED. (ENGLISH). DRESSER
RESEARCH, TULSA, OKLA.

205 GUINN, V.P. * WAGNER, C.D.
INSTRUMENTAL NEUTRON ACTIVATION ANALYSIS.
ANAL. CHEM., 32, 317-323 (1960), (ENGLISH). SHELL
DEVELOPMENT CO., EMERYVILLE, CALIF.

206 HAIGH, C.P.
A PHOTONEUTRON METHOD OF MEASURING DEUTERIUM.
RADIOISOTOPE CONFERENCE OXFORD, 1954.
BUTTERWORTHS, LONDON, VOL. II, 101-110, 1954.
(ENGLISH). BARROW HOSPITAL, BRISTOL, ENGLAND.

207 HAIGH, C.P.
AN ANALYSIS FOR DEUTERIUM BASED ON THE
PHOTONEUTRON EFFECT.
NATURE, 172, 359 (1953), (ENGLISH), RESEARCH
DEPT., BRISTOL MENTAL HOSPITALS, BARROW HOSPITAL,
BARROW GURNEY, BRISTOL, ENGLAND.

208 HALL, T.A.
CHEMICAL ELEMENT ANALYSIS OF RADIOACTIVE MIXTURES
IN BIOLOGICAL MATERIALS.
NUCLEONICS, 12, NO. 3, 34-35 (1954), (ENGLISH).
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH, NEW
YORK, N.Y.

209 HAMAGUCHI, H. * REED, G.W. * TURKEVICH, A.
URANIUM AND BARIUM IN STONE METEORITES.
GEOCHIM. COSMOCHIM. ACTA, 12, 337-347 (1957).
(ENGLISH). ENRICO FERMI INSTITUTE FOR NUCLEAR
STUDIES, UNIV. OF CHICAGO, CHICAGO, ILLINOIS.

210 JASKOLSKA, H. * MINCZEWSKI, J.
DETERMINATION OF GALLIUM AND INDIUM BY THE NEUTRON
ACTIVATION METHOD.
ACTA. CHIM. HUNG., 32, NO. 1, 9-18 (1962).
(ENGLISH) (GERMAN AND RUSSIAN SUMMARIES).
DEPARTMENT OF ANALYTICAL CHEMISTRY, POLISH ACADEMY
OF SCIENCES, INSTITUTE OF NUCLEAR RESEARCH,
WARSAW.

211 HAMAGUCHI, H. * HASHIMOTO, J. * HOSOHARA, K. *
NARUSAWA, Y.
A NEW APPLICATION OF NEUTRON ACTIVATION ANALYSIS
TO THE POLAROGRAPHY OF HOLMIUM.
BULL. CHEM. SOC. JAPAN, 33, 562-563 (1960).
(ENGLISH). DEPT. OF CHEMISTRY, FACULTY OF SCIENCE,
TOKYO UNIV. OF EDUCATION, BUNKYO-KU, TOKYO, JAPAN.

212 SETSER, J.L.
DETERMINATION OF ZIRCONIUM AND HAFNIUM IN
METEORITES, SEDIMENTS, AND TERRESTRIAL MATERIALS
BY NEUTRON ACTIVATION ANALYSIS.
TID-19179, 81P., 1963. (ENGLISH). KENTUCKY
UNIVERSITY, LEXINGTON, KENTUCKY.

213 HAPP, W.W. * HORWOOD, J.L.
ASSAY OF URANIUM-BEARING ORES BY FISSION ANALYSIS.
SCIENCE, 115, 622-623 (1952). (ENGLISH).
RADIOACTIVITY DIV., MINES BRANCH, DEPT. OF MINES
AND TECHNICAL SURVEYS, OTTAWA, CANADA.

214 HARRISON, G.E. * RAYMOND, W.H.A.
THE ESTIMATION OF TRACE AMOUNTS OF BARIUM OR
STRONTIUM IN BIOLOGICAL MATERIAL BY ACTIVATION
ANALYSIS.
J. NUCLEAR ENERGY, 1, 290-298 (1955). (ENGLISH).
MRC RADIOBIOLOGICAL RESEARCH UNIT, AERE, HARWELL,
BERKS, ENGLAND.

215 KAMEMOTO, Y. * YAMAGISHI, S.
DETERMINATION OF IMPURITIES IN BISMUTH METAL BY
NEUTRON ACTIVATION.
NIPPON KAGAKU ZASSHI, 82, 1653-1656 (1961).
(JAPANESE) (ENGLISH SUMMARY). DIVISION OF
CHEMISTRY, JAPAN ATOMIC ENERGY RESEARCH INSTITUTE,
NAKAGUN, IBARAKI, JAPAN. OP

216 THOMPSON, T.J. * RASMUSSEN, N.C. * SCHWARTZ, D.
NEUTRON DOSIMETRY, SPECTROMETRY, AND NEUTRON
ACTIVATION ANALYSIS.
AD-274320, 52P., OCTOBER 1961. (ENGLISH).
MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE,
MASS.

217 HERNEGGER, F. * WANKE, H.
ON THE URANIUM CONTENT OF STONY METEORITES AND
THEIR AGES.
Z. NATURFORSCH., 12A, 759-762 (1957). (GERMAN).
AUS DEM MAX-PLANCK-INSTITUT FUR CHEMIE, MAINZ,
GERMANY.

218 HERR, W.
ACTIVATION ANALYSIS,
ANGEW. CHEM., 64, 679=685 (1952), (GERMAN), AUS
DEM MAX=PLANCK-INSTITUT FUR CHEMIE, MAINZ,
GERMANY.

219 HERR, W.
A SIMPLE RADIOMETRIC PROCEDURE FOR THE
DETERMINATION OF THE ISOTOPIC COMPOSITION OF
LITHIUM SALTS,
Z. NATURFORSCH., 8A, 305=307 (1953), (GERMAN), AUS
DEM MAX=PLANCK=INSTITUT FUR CHEMIE, MAINZ,
GERMANY.

221 MORRIS, D.F.C, * KILLICK, R.A,
THE DETERMINATION OF TRACES OF OSMIUM AND IRIDIUM
IN SAMPLES OF PALLADIUM AND PLATINUM BY
NEUTRON=ACTIVATION ANALYSIS,
TALANTA, 8, 129=137 (1961), (ENGLISH), BRUNEL
COLL. OF TECH., LONDON, ENGLAND,

222 HERR, W. * MERZ, E,
A NEW METHOD FOR AGE DETERMINATION OF MINERALS
CONTAINING RHENIUM, BY MEANS OF NEUTRON
ACTIVATION.
Z. NATURFORSCH., 10A, 613-615 (1955), (GERMAN),
AUS DEM MAX=PLANCK INSTITUT FUR CHEMIE, MAINZ,
GERMANY.

223 HERR, W.
TRACE ANALYSIS WITH RADIOACTIVE ISOTOPES,
ACTIVATION ANALYSIS OF PHOSPHORUS IN IRON,
ARCH. EISENHUTTENWESEN, 26, 523=526 (1955),
(GERMAN), MITTEILUNG AUS DEM MAX-PLANCK INSTITUT
FUR CHEMIE, MAINZ, GERMANY,

224 HERR, W.
DETERMINATION OF THE BETA ACTIVE ELEMENTS RE, TE
AND LU AND THEIR DECAY PRODUCTS IN MINERALS,
15TH INTERNATIONAL CONGRESS OF PURE AND APPLIED
CHEMISTRY, LISBON, PAPER V=15 (GERMANY), 1956,
(GERMAN). MAX=PLANCK INSTITUT FUR CHEMIE, MAINZ,
GERMANY.

225 HERR, W. * MERZ, E.
THE NATURAL RADIOACTIVITY OF LUTECIUM-176 AND ITS POSSIBLE APPLICATION IN GEOLOGICAL AGE DETERMINATION.
RADIOISOTOPES IN SCIENTIFIC RESEARCH, 2, 571-580 (1958). (ENGLISH) (FRENCH, SPANISH AND RUSSIAN SUMMARIES). MAX PLANCK INSTITUTE FOR CHEMISTRY, MAINZ, GERMANY.

226 HERR, W. * HOFFMEISTER, W. * LANGHOFF, J.
THE DETERMINATION OF RHENIUM AND OSMIUM IN IRON METEORITES BY NEUTRON ACTIVATION.
Z. NATURFORSCH., 15A, 99-102 (1960), (GERMAN), AUS DEM MAX-PLANCK INSTITUT FUR CHEMIE (OTTO-HAHN INSTITUT), MAINZ, GERMANY.

227 HEVESY, G. * LEVI, H.
THE ACTION OF NEUTRONS ON THE RARE EARTH ELEMENTS.
DET KGL. DANSKE VIDENSKABERNES SELSKAB. MATHEMATISK-FYSISKE MEDDELELSER, 14, NO. 5, 3-34 (1936). (ENGLISH). INSTITUTE OF THEORETICAL PHYSICS, UNIV. OF COPENHAGEN.

228 HEVESY, G. * LEVI, H.
THE RADIOACTIVITY OF EUROPIUM AND ITS ANALYTICAL APPLICATION.
DET KGL. DANSKE VIDENSKABERNES SELSKAB. MATHEMATISK-FYSISKE MEDDELELSER., 15, NO. 11, 14-18 (1938). (ENGLISH). INSTITUTE OF THEORETICAL PHYSICS, COPENHAGEN.

229 HOSTE, J. * VAN DEN BERGHE, H.
DETERMINATION OF MICRO-AMOUNTS OF INDIUM IN ZINC AND IN GALLIUM BY RADIOACTIVATION.
MIKROCHIM. ACTA, 797-803 (1956), (ENGLISH) (GERMAN AND FRENCH) SUMMARIES). LABORATORY FOR ANALYTICAL CHEMISTRY, UNIVERSITY OF GHENT, BELGIUM.

230 HUARINGA, M.
DETERMINATION OF CHROMIUM, VANADIUM AND TUNGSTEN BY ACTIVATION ANALYSIS USING LOW-LEVEL NEUTRON SOURCES.
NATURE, 177, 85 (1956). (ENGLISH). INSTITUTE OF NUCLEAR STUDIES, UNIV. OF LIEGE.

231 HUDGENS, J.E., JR. * CALI, P.J.
DETERMINATION OF ANTIMONY BY RADIOACTIVATION.
ANAL. CHEM., 24, 171-174 (1952), (ENGLISH). US AEC, NEW BRUNSWICK, N.J.

232 HUDGENS, J.E., JR, * DABAGIAN, H.J.
RADIOACTIVATION DETERMINATION OF ZIRCONIUM IN ZR-HF MIXTURES.
NUCLEONICS, 10, NO. 5, 25-27 (1952), (ENGLISH), US AEC, NEW BRUNSWICK, N.J.

233 HUDGENS, J.E. * MEYER, R.C.
DETERMINATION OF URANIUM 235 BY NEUTRON ACTIVATION.
NBL-126, 21P., 1956, (ENGLISH), US AEC, NEW BRUNSWICK, N.J.

234 HUDGENS, J.E. * NELSON, L.C.
DETERMINATION OF SMALL CONCENTRATIONS OF INDIUM BY RADIOACTIVATION.
ANAL. CHEM., 24, 1472-1475 (1952), (ENGLISH), US AEC, NEW BRUNSWICK, N.J.

235 HUMMEL, R.W.
DETERMINATION OF GOLD IN SEA WATER BY RADIOACTIVATION ANALYSIS.
ANALYST, 82, 483-488 (1957), (ENGLISH), AERE, HARWELL, DIDCOT, BERKS, ENGLAND.

236 HUMMEL, R.W. * SMALES, A.A.
DETERMINATION OF STRONTIUM IN SEA WATER BY USING BOTH RADIOACTIVE AND STABLE ISOTOPES.
ANALYST, 81, 110-113 (1956), (ENGLISH), AERE, HARWELL, DIDCOT, BERKS, ENGLAND.

237 HUTCHINSON, W.P.
NEUTRON ACTIVATION ANALYSIS OF BLOOD.
AERE - MED/R 2317, 4P., 1960, (ENGLISH), AERE, HARWELL, BERKSHIRE, ENGLAND.

238 IREDALE, P.
AN IMPURITY ANALYSIS OF ALUMINIUM BY RADIOACTIVATION AND SCINTILLATION SPECTROMETRY.
AERE EL/M.96, 8P., 1956, (ENGLISH), AERE, HARWELL, ENGLAND.

239 IRVING, H. * SMIT, J. VAN R. * SALMON, L.
DETERMINATION OF INDIUM IN CYLINDRITE BY NEUTRON-ACTIVATION ANALYSIS AND OTHER METHODS.
ANALYST, 82, 549-558 (1957), (ENGLISH), INORGANIC CHEMISTRY LAB., UNIV. OF OXFORD, OXFORD, ENGLAND.

240 IRVING, H. * SMALES, A.A. * SMIT, J.
THE DETERMINATION OF INDIUM IN ROCKS AND MINERALS
BY RADIOACTIVATION.
15TH INTERNATIONAL CONGRESS OF PURE AND APPLIED
CHEMISTRY, LISBON, PAPER V-16 (PORTUGAL), 1956,
(ENGLISH). INORGANIC CHEMISTRY LAB., UNIV. OF
OXFORD, OXFORD, ENGLAND.

241 JAKOVLEV, J.V.
QUANTITATIVE DETERMINATION OF IMPURITIES IN HIGH
PURITY METALS THROUGH RADIOACTIVATION ANALYSIS. I.
INTRODUCTION.
INTERNATIONAL CONFERENCE ON THE PEACEFUL USES OF
ATOMIC ENERGY, 15, 54-59 (1955), (ENGLISH
TRANSLATION). RUSSIA.

242 JAMES, J.A. * RICHARDS, D.H.
RADIOACTIVATION ANALYSIS OF ARSENIC IN TUNGSTEN.
ANAL. CHIM. ACTA, 15, 118-121 (1956), (ENGLISH)
(FRENCH AND GERMAN SUMMARIES). THE BRITISH
THOMSON-HOUSTON CO. LTD., RUGBY, ENGLAND.

243 JAMES, J.A. * RICHARDS, D.H.
RADIOACTIVATION ANALYSIS OF PHOSPHORUS IN IODINE.
NATURE, 177, 1230 (1956), (ENGLISH). RESEARCH
LAB., BRITISH THOMSON-HOUSTON CO., LTD., RUGBY,
ENGLAND.

244 JAMES, J.A. * RICHARDS, D.H.
RADIOACTIVATION ANALYSIS OF PHOSPHORUS IN SILICON.
NATURE, 176, 1026 (1955), (ENGLISH). RESEARCH
LAB., BRITISH THOMSON-HOUSTON CO., LTD., RUGBY,
ENGLAND.

245 JAMES, J.A. * RICHARDS, D.H.
RADIOACTIVATION ANALYSIS OF ARSENIC IN SILICON.
NATURE, 175, 769-770 (1955), (ENGLISH). RESEARCH
LAB., BRITISH THOMSON-HOUSTON CO., LTD., RUGBY,
ENGLAND.

246 JAMES, J.A. * RICHARDS, D.H.
RADIOCHEMICAL ANALYSIS OF SILICON.
J. ELECTRONICS AND CONTROL,3, 500-506 (1957),
(ENGLISH). RESEARCH LAB., THE BRITISH
THOMSON-HOUSTON CO. LTD., RUGBY, ENGLAND.

248 JASKOLSKA, H. * WODKIEWICZ, L.
DETERMINATION OF TRACE AMOUNTS OF ARSENIC IN
GERMANIUM BY MEANS OF NEUTRON ACTIVATION.
CHEMIA ANALITYCZNA, 6, 161=165 (1961), (POLISH)
(ENGLISH SUMMARY), DEPT. OF ANALYTICAL CHEM.,
INSTITUTE OF NUCLEAR RESEARCH, WARSZAWA.

249 JASKOLSKA, H. * MINCZEWSKI, J.
NEUTRON ACTIVATION METHOD OF GALLIUM AND INDIUM
DETERMINATION.
CHEMIA ANALITYCZNA, 6, 149=159 (1961), (POLISH)
(ENGLISH SUMMARY), DEPT. OF ANALYTICAL CHEM.,
INSTITUTE OF NUCLEAR RESEARCH, POLISH ACADEMY OF
SCIENCES, WARSZAWA.

250 JENKINS, E.N.
DETERMINATION OF SMALL QUANTITIES OF THORIUM BY
RADIOACTIVATION.
ANALYST, 80, 301=313 (1955), (ENGLISH), ANALYTICAL
CHEMISTRY GROUP, AERE, HARWELL, DIDCOT, BERKS,
ENGLAND.

251 JENKINS, E.N. * SMALES, A.A.
RADIOACTIVATION ANALYSIS.
QUART. REV. (LONDON), 10, 83=107 (1956),
(ENGLISH), AERE, HARWELL, NR. DIDCOT, BERKS,
ENGLAND.

252 JERVIS, R.E. * MACKINTOSH, W.D.
ACTIVATION ANALYSES OF INTEREST TO ATOMIC=ENERGY
PROGRAMS.
PROGRESS IN NUCLEAR ENERGY, SERIES IX, VOL. 1,
PERGAMON PRESS, 18=32, 1959, (ENGLISH), AEC LTD.,
CHALK RIVER, ONTARIO.

253 METZGER, A.E.
SOME CALCULATIONS BEARING ON THE USE OF NEUTRON
ACTIVATION FOR REMOTE COMPOSITIONAL ANALYSIS.
NASA N 62 16383 (K), TECHNICAL REPORT NO. 32=286,
8P., AUGUST 5, 1962, (ENGLISH), JET PROPULSION
LABORATORY, CALIFORNIA INSTITUTE OF TECHNOLOGY,
PASADENA, CALIF.

254 KAISER, D.G. * MEINKE, W.W.
ACTIVATION-ANALYSIS OF TRACE COBALT IN TISSUE
USING 10.5=MINUTE 60M=COBALT.
TALANTA, 3, 255=260 (1960), (ENGLISH), DEPT. OF
CHEMISTRY, UNIV. OF MICHIGAN, ANN ARBOR, MICH.

255 KANT, A. * CALI, J.P. * THOMPSON, H.D.
DETERMINATION OF IMPURITIES IN SILICON BY NEUTRON ACTIVATION ANALYSIS.
ANAL. CHEM., 28, 1867-1871 (1956). (ENGLISH). AIR RESEARCH AND DEVELOPMENT COMMAND, AIR FORCE CAMBRIDGE RESEARCH CENTER, BEDFORD, MASS.

256 KAPLAN, L. * WILZBACH, K.E.
LITHIUM ISOTOPE DETERMINATION BY NEUTRON ACTIVATION.
ANAL. CHEM., 26, 1797-1798 (1954). (ENGLISH). CHEMISTRY DIV., ARGONNE NATIONAL LAB., LEMONT, ILL.

257 KEMP, D.M. * SMALES, A.A.
NEUTRON ACTIVATION RESULTS FOR VANADIUM AND SCANDIUM IN G-1 AND W-1.
GEOCHIM. COSMOCHIM. ACTA, 18, 149-150 (1960). (ENGLISH). AERE, HARWELL, ENGLAND.

258 KETELLE, B.H. * BOYD, G.E.
HEAVY RARE EARTH SEPARATIONS WITH AMBERLITE IR-1 AT ROOM TEMPERATURES.
J. AM. CHEM. SOC., 69, 2805-2806 (1947). (ENGLISH). CLINTON NATIONAL LAB., OAK RIDGE, TENN.

259 KEYNES, R.D. * LEWIS, P.R.
DETERMINATION OF THE IONIC EXCHANGE DURING NERVOUS ACTIVITY BY ACTIVATION ANALYSIS.
NATURE, 165, 809-810 (1950). (ENGLISH). PHYSIOLOGICAL LAB., UNIV. OF CAMBRIDGE.

261 KIENBERGER, C.A. * GREENE, R.E. * VOSS, F.S.
DETERMINATION OF LITHIUM 6 BY FISSION COUNTING.
K-1042, 5-11 (1953). (ENGLISH). UNION CARBIDE AND CARBON CORP., OAK RIDGE, TENN.

262 KILLICK, R.A. * MORRIS, D.F.C.
THE DETERMINATION OF TRACES OF PALLADIUM IN SAMPLES OF PLATINUM BY NEUTRON-ACTIVATION ANALYSIS.
TALANTA, 8, 601-604 ,1961). (ENGLISH) (GERMAN AND FRENCH SUMMARIES). DEPT. OF CHEMISTRY, BRUNEL COLLEGE OF TECHNOLOGY, LONDON, W.3, ENGLAND.

263 KOCH, H.J., JR. * SMITH, E.R. * SHIMP, N.F. * CONNOR, J.
ANALYSIS OF TRACE ELEMENTS IN HUMAN TISSUES, I. NORMAL TISSUES.
CANCER, 9, 499-511 (1956). (ENGLISH).
SLOAN-KETTERING INSTITUTE FOR CHEMICAL RESEARCH, NEW YORK, N.Y.

264 KOHN, A.
USE OF RADIOACTIVE ISOTOPES IN THE STUDY OF STEELS AND INDUSTRIAL PROCESSES IN METALLURGY. APPLICATION TO THE STUDY OF SEGREGATIONS.
REV. METTALLURGIE, 48, 219-235 (1951). (FRENCH).
INSTITUT DE RECHERCHES DE LA SIDERURGIE, FRANCE.

265 KOHN, A.
A RADIOACTIVE TECHNIQUE FOR THE DETERMINATION OF TANTALUM IN FERRONIOBIUM ALLOYS AND NIOBIUM ORES.
COMPT. REND., 236, 1419-1421 (1953). (FRENCH).
FRANCE.

266 KOHN, A.
A RADIOACTIVE METHOD FOR DETERMINING THE AMOUNT OF TANTALUM IN FERRONIOBIUM ALLOYS AND MINERALS OF NIOBIUM.
CHIMIE AND INDUSTRIE, 71, 69-77 (1954). (FRENCH).
INGENIEUR A L INSTITUT DE RECHERCHES DE LA SIDERURGIE, FRANCE.

267 KOHN, H.W. * TOMPKINS, E.R.
ACTIVATION ANALYSIS OF THE RARE EARTHS.
ORNL-390, 14P., 1949. (ENGLISH). OAK RIDGE NATIONAL LAB., OAK RIDGE, TENN.

268 KONIG, H. * WANKE, H.
THE BREITSCHEID METEORITE-IV. RADIOCHEMICAL SEPARATIONS, D-POTASSIUM-ARGON.
GEOCHIM. COSMOCHIM. ACTA, 17, 350-351 (1959). (GERMAN). MAX-PLANCK INSTITUT FUR CHEMIE, MAINZ, GERMANY.

269 KONIG, H. * WANKE, H.
THE DETERMINATION OF URANIUM IN STONY METEORITES BY NEUTRON ACTIVATION USING THE XENON ISOTOPES 133 AND 135.
Z. NATURFORSCH., 14A, 866-869 (1959). (GERMAN).
MAX-PLANCK INSTITUT FUR CHEMIE (OTTO-HAHN INSTITUT), MAINZ, GERMANY.

270 KULAK, A.I.
QUANTITATIVE DETERMINATION OF MICRO IMPURITIES IN ANTIMONY BY NEUTRON ACTIVATION.
J. ANAL. CHEM. USSR, 12, NO. 6, 745-748 (1957).
(ENGLISH TRANSLATION), THE D.I. MENDELEEV MOSCOW CHEMICOTECHNOLOGICAL INSTITUTE, RUSSIA.

271 KUSAKA, Y.
ACTIVATION ANALYSIS OF MANGANESE IN FERROMANGANESE ALLOY USING RADIUM-BERYLLIUM NEUTRON SOURCE.
BULL. CHEM. SOC. JAPAN, 31, 216-219 (1958).
(ENGLISH), DEPT. OF CHEMISTRY, FACULTY OF SCIENCE, KONAN UNIV., HIGASHINADA-KU, KOBE, JAPAN.

272 KUSAKA, Y.
A RADIOACTIVATION ANALYSIS OF INDIUM USING A RADIUM-BERYLLIUM NEUTRON SOURCE. I. THE DETERMINATION OF INDIUM IN ZINC.
NIPPON KAGAKU ZASSHI, 80, 1419-1422 (1959).
(JAPANESE), KONAN UNIVERSITY SCHOOL OF SCIENCE, DEPARTMENT OF CHEMISTRY, JAPAN.

273 KUYKENDALL, W.E. * MUNDKOWSKY, W.F. * MOORE, B.C. * SMITH, R.L., JR. * HOOD, D.W. * MITCHELL, J.C. * ROOTS, E.N. * WAINERDI, R.E.
THE APPLICATIONS OF ACTIVATION ANALYSIS FOR INDUSTRIAL PURPOSES, QUARTERLY PROGRESS REPORT NO. 2, NOVEMBER 1, 1959.
E 138-59, 14P., 1959. (ENGLISH), TEXAS ENGINEERING EXPERIMENT STATION, COLLEGE STATION, TEXAS.

274 LAING, K.M. * EMHISER, D.E. * FITZGERALD, J.V. * JONES, R.E.
THE LOCATION OF SODIUM BY NUCLEAR ACTIVATION IN GLASS-CORRODED TANK BLOCK REFRACTORIES.
J. AM. CERAM. SOC., 34, 380-383 (1951). (ENGLISH), GLASS DIVISION RESEARCH LABORATORIES, PITTSBURGH PLATE GLASS CO., CREIGHTON, PA.

275 LAING, K.M. * JONES, R.E. * EMHISER, D.E. * FITZGERALD, J.V. * BACHMAN, G.S.
DEUTERON ACTIVATION AND AUTORADIOGRAPHY AS COUPLED TECHNIQUES IN TRACER EXPERIMENTS.
NUCLEONICS, 9, NO. 4, 44-46 (1951). (ENGLISH), GLASS DIVISION RESEARCH LABORATORIES, PITTSBURGH PLATE GLASS CO., CREIGHTON, PA.

276 MOSES, A.J.
NUCLEAR TECHNIQUES IN ANALYTICAL CHEMISTRY.
A PERGAMON PRESS BOOK, INTERNATIONAL SERIES OF
MONOGRAPHS ON ANALYTICAL CHEMISTRY, NEW YORK, THE
MACMILLAN COMPANY, VOL, 20, 147P., 1964.
(ENGLISH), BURBANK, CALIFORNIA,

277 LEDDICOTTE, G,W,
THE METHOD OF ACTIVATION ANALYSIS, NUCLEAR
ANALYSES METHODS,
OAK RIDGE MASTER ANALYTICAL MANUAL, METHOD NO, 5
10100 (8-4-59), (ENGLISH), OAK RIDGE NATIONAL
LAB., OAK RIDGE, TENN,

278 LEDDICOTTE, G,W,
CALCULATION OF ACTIVATION ANALYSIS DATA, NUCLEAR
ANALYSES METHODS,
OAK RIDGE MASTER ANALYTICAL MANUAL, METHOD NO, 5
10123 (8-6-59), (ENGLISH), OAK RIDGE NATIONAL
LAB., OAK RIDGE, TENN,

279 LEDDICOTTE, G,W,
ANTIMONY, NEUTRON ACTIVATION ANALYSIS (ISOTOPIC
CARRIER) METHOD, NUCLEAR ANALYSES METHODS,
OAK RIDGE MASTER ANALYTICAL MANUAL, METHOD NO, 5
11040 (8-10-59), (ENGLISH), OAK RIDGE NATIONAL
LAB., OAK RIDGE, TENN,

280 LEDDICOTTE, G,W,
TYPES OF NEUTRON REACTIONS, NUCLEAR ANALYSES
METHODS,
OAK RIDGE MASTER ANALYTICAL MANUAL, METHOD NO, 5
10102 (2-2-56), OAK RIDGE NATIONAL LAB., OAK
RIDGE, TENN,

281 LEDDICOTTE, G,W,
RADIOACTIVATION ANALYSIS,
ORNL CF 60-11-124, 42P., NOV, 30, 1960, (ENGLISH),
OAK RIDGE NATIONAL LAB., OAK RIDGE, TENN,

282 MULLINS, W.T. * LEDDICOTTE, G,W,
NICKEL, NEUTRON ACTIVATION ANALYSIS
(ISOTOPIC-CARRIER) METHOD, NUCLEAR ANALYSES
METHODS,
OAK RIDGE MASTER ANALYTICAL MANUAL, METHOD NO, 5
11540 (7-31-59), (ENGLISH), OAK RIDGE NATIONAL
LAB., OAK RIDGE, TENN,

283 LEDDICOTTE, G.W.
NEUTRON BOMBARDMENT USEFUL IN ANALYSIS OF TRACE IMPURITIES.
CHEM. AND ENG. NEWS, 31, 2678, 2680-2681 (JUNE 29, 1953). (ENGLISH). OAK RIDGE NATIONAL LAB., OAK RIDGE, TENN.

284 BOWEN, H.J.M. * CAWSE, P.A.
THE DETERMINATION OF SELENIUM IN BIOLOGICAL MATERIAL BY RADIOACTIVATION.
ANALYST, 88, 721-726 (1963). (ENGLISH). UK AEA, WANTAGE RESEARCH LAB., WANTAGE, BERKS, ENGLAND.

285 VOGT, J.R. * EHMANN, W.D. * MC ELLISTREM, W.T.
AN AUTOMATED SYSTEM FOR RAPID AND PRECISE FAST NEUTRON ACTIVATION ANALYSIS.
INTERN. J. APPL. RADIATION ISOTOPES, 16, 573-580 (1965). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN SUMMARIES). DEPARTMENT OF PHYSICS, UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY.

286 LEDDICOTTE, G.W.
ACTIVATION ANALYSIS--WHAT CAN IT DO FOR YOU
NUCLEONICS, 14, NO. 5, 46-47 (1956). (ENGLISH). ANALYTICAL CHEMISTRY DIV., OAK RIDGE NATIONAL LAB., OAK RIDGE, TENN.

287 LEDDICOTTE, G.W.
ACTIVATION SHOWS TRACE-METAL SEGREGATION.
NUCLEONICS, 14, NO. 5, 47 (1956). (ENGLISH). ANALYTICAL CHEMISTRY DIV., OAK RIDGE NATIONAL LAB., OAK RIDGE, TENN.

288 LEDDICOTTE, G.W. * BROOKSBANK, W.A.
THE ISOTOPIC ANALYSIS OF URANIUM BY NEUTRON ACTIVATION ANALYSIS.
TID-7531, PART I, 71-77 (1957). (ENGLISH). OAK RIDGE NATIONAL LAB., OAK RIDGE, TENN.

289 LEDDICOTTE, G.W. * MAHLMAN, H.A.
DETERMINATION OF MICROGRAM AND SUBMICROGRAM QUANTITIES OF THORIUM BY NEUTRON ACTIVATION ANALYSIS.
INTERNATIONAL CONFERENCE ON THE PEACEFUL USES OF ATOMIC ENERGY, 8, 250-253 (1955). (ENGLISH). OAK RIDGE NATIONAL LAB., OAK RIDGE, TENN.

290 LEDDICOTTE, G.W. * MOELLER, D.W.
DETERMINATION OF TRACE ELEMENTS IN WATER BY NEUTRON RADIOACTIVATION ANALYSIS.
ORNL CF 61-5-118, 32P., MAY 29, 1961, (ENGLISH), OAK RIDGE NATIONAL LAB., OAK RIDGE, TENN.

291 LEDDICOTTE, G.W. * MULLINS, W.T. * BATE, L.C. * EMERY, J.F.
THE DETERMINATION OF TRACE ELEMENTS IN REACTOR MATERIALS BY THE METHODS OF NEUTRON ACTIVATION ANALYSIS.
TID-7555, 192-215 (1958), (ENGLISH), OAK RIDGE NATIONAL LAB., OAK RIDGE, TENN.

292 LEDDICOTTE, G.W. * MULLINS, W.T. * BATE, L.C. * EMERY, J.F. * DRUSCHEL, R.E. * BROOKSBANK, W.A., JR.
THE USE OF NEUTRON ACTIVATION ANALYSIS IN ANALYTICAL CHEMISTRY.
SECOND UNITED NATIONS INTERNATIONAL CONFERENCE ON THE PEACEFUL USES OF ATOMIC ENERGY, P/927, 478-485 (1958). (ENGLISH), OAK RIDGE NATIONAL LAB., OAK RIDGE, TENN.

293 LEDDICOTTE, G.W. * REYNOLDS, S.A.
THE DETERMINATION OF TRACE ELEMENTS BY NEUTRON RADIOACTIVATION ANALYSIS.
ORNL CF 52-12-155, 11P., DECEMBER 18, 1952. (ENGLISH), OAK RIDGE NATIONAL LAB., OAK RIDGE, TENN.

294 LEDDICOTTE, G.W. * REYNOLDS, S.A.
ACTIVATION ANALYSIS SENSITIVITY OF DETECTION OF RADIOACTIVE ELEMENTS PRODUCED BY N-GAMMA REACTIONS IN THE ORNL PILE.
PREPRINT. 25P., 1952 (ENGLISH), OAK RIDGE NATIONAL LAB., OAK RIDGE, TENN.

295 LEDDICOTTE, G.W. * REYNOLDS, S.A.
ACTIVATION ANALYSIS BY MEANS OF THE OAK RIDGE REACTOR.
AECD-2992, 1952, (ENGLISH), OAK RIDGE NATIONAL LAB., OAK RIDGE, TENN.

296 LEDDICOTTE, G.W. * REYNOLDS, S.A.
NEUTRON ACTIVATION ANALYSIS, A USEFUL ANALYTICAL METHOD FOR DETERMINATION OF TRACE ELEMENTS.
AECD-3489, 25P., JANUARY 2, 1953, (ENGLISH), OAK RIDGE NATIONAL LAB., OAK RIDGE, TENN.

297 LEDDICOTTE, G,W, * REYNOLDS, S,A,
THE DETERMINATION OF TRACE ELEMENTS BY NEUTRON RADIOACTIVATION ANALYSIS,
ASTM BULLETIN, 29-31 (FEB. 1953), (ENGLISH), OAK RIDGE NATIONAL LAB., OAK RIDGE, TENN,

298 LEDDICOTTE, G,W, * REYNOLDS, S,A,
NEUTRON ACTIVATION ANALYSIS,
ORNL CF-55-11-20, 15P., NOVEMBER 2, 1955, (ENGLISH), OAK RIDGE NATIONAL LAB., OAK RIDGE, TENN,

299 ATOMICS
NEUTRON ACTIVATION ANALYSIS,
ATOMICS, 16, NO, 4, 15-19 (JULY-AUGUST 1963), (ENGLISH), USA,

300 LEDDICOTTE, G,W, * REYNOLDS, S,A,
DETERMINATION OF THE ALKALI METALS BY NEUTRON ACTIVATION ANALYSIS,
ORNL 1623, 14P., FEB, 25, 1954, (ENGLISH), OAK RIDGE NATIONAL LAB., OAK RIDGE, TENN,

301 LEIPUNSKAYA, D,I, * GAUER, Z,E, * FLEROV, G,N,
NEUTRON ACTIVATION ANALYSIS OF SAMPLES OF ROCK AND ORE CONCENTRATES,
ATOMNAYA ENERGIYA, 6, 198-202 (1959), (ENGLISH TRANSLATION), RUSSIA,

302 LELIAERT, G,
ACTIVATION ANALYSIS, THE DETERMINATION OF FAST DIFFUSION IN QUARTZ,
STUDIECENTRUM VOOR KERNENERGIE, S.C.K., R,1737, 2 JULY 1959, (DUTCH), BELGIUM,

303 LELIAERT, G,
NOTE, CONFERENCE IN VIENNA 1-4 JUNE 1959, IN RESPECT TO ACTIVATION ANALYSIS,
STUDIECENTRUM VOOR KERNENERGIE, S.C.K., R, 1736, 15 JULY 1959, (DUTCH), BELGIUM,

304 LELIAERT, G, * HOSTE, J, * EECKHAUT, Z,
ACTIVATION ANALYSIS OF TUNGSTEN IN HIGH ALLOY STEELS,
TALANTA, 2, 115-123 (1959), (ENGLISH) (GERMAN AND FRENCH SUMMARIES), LABORATORY OF ANALYTICAL CHEMISTRY, UNIV, OF GHENT, BELIGUM,

305 LELIAERT, G. * HOSTE, J. * EECKHAUT, J.
ACTIVATION ANALYSIS OF VANADIUM IN HIGH ALLOY STEELS USING MANGANESE AS INTERNAL STANDARD.
ANAL. CHIM. ACTA, 19, 100-107 (1958), (ENGLISH). LABORATORY FOR ANALYTICAL CHEMISTRY, UNIV. OF GHENT, BELGIUM.

306 LELIAERT, G. * HOSTE, J. * EECKHAUT, Z.
NEUTRON ACTIVATION ANALYSIS USING AN INTERNAL STANDARD.
NATURE, 182, 600 (1958), (ENGLISH), LABORATORY FOR ANALYTICAL CHEMISTRY, UNIV. OF GHENT, BELGIUM.

307 LENIHAN, J.M.A.
RADIOACTIVATION ANALYSIS.
NATURE, 184, 951-952 (1959), (ENGLISH). REGIONAL PHYSICS DEPT., WESTERN REGIONAL HOSPITAL BOARD, GLASGOW, U.K.

308 LENIHAN, J.M.A.
RADIOACTIVATION ANALYSIS IN BIOCHEMISTRY AND MEDICINE.
PURE AND APPL. CHEM., 1, 81-97 (1960), (ENGLISH). REGIONAL PHYSICS DEPT., WESTERN REGIONAL HOSPITAL BOARD, GLASGOW, U.K.

309 LENIHAN, J.M.A. * SMITH, H. * CHALMERS, J.G.
ARSENIC IN DETERGENTS.
NATURE, 181, 1463-1464 (1958), (ENGLISH). WESTERN REGIONAL HOSPITAL BOARD, GLASGOW.

310 LENIHAN, J.M.A. * SMITH, H.
CLINICAL APPLICATIONS OF ACTIVATION ANALYSIS.
SECOND UNITED NATIONS INTERNATIONAL CONFERENCE ON THE PEACEFUL USES OF ATOMIC ENERGY, 26, P/69, 238-241 (1958), (ENGLISH). REGIONAL PHYSICS DEPT., WESTERN REGIONAL HOSPITAL BOARD, GLASGOW.

311 LEVEQUE, M.P.
EXAMPLES OF ACTIVATION ANALYSIS.
INTERNATIONAL CONFERENCE ON THE PEACEFUL USES OF ATOMIC ENERGY, 15, 78-80 (1955), (ENGLISH TRANSLATION). FRANCE.

312 LEVEQUE, P.
USE OF GAMMA SPECTROGRAPHY IN ACTIVATION ANALYSIS.
CEA NO. 1249, 20P., 1959, (FRENCH) (ENGLISH SUMMARY). CHEF DE LA SECTION DES APPLICATIONS DES RADIOELEMENTS, CEN, SACLAY, FRANCE.

313 LEVEQUE, P. * GOENVEC, H.
DETERMINATION OF ELEMENTS BY INDUCED RADIOACTIVITY OF SHORT PERIOD,
ASD-TDR-62-1038 PART III, VOLUME I, 73P., MAY 1964. (ENGLISH). TEXAS NUCLEAR CORPORATION, AUSTIN, TEXAS.

314 MORGAN, I.K. * ASHE, J.B. * PRUD HOMME, J.T. * MARTIN, T.C.
ACTIVATION ANALYSIS FOR IMPURITIES IN BERYLLIUM,
ASD-TDR-62-1038 PART III, VOLUME I, 73P., MAY 1964. (ENGLISH), TEXAS NUCLEAR CORPORATION, AUSTIN, TEXAS. NAS 18, 43368, 12/31/64

315 LINNENBOM, V.J.
RADIOACTIVITY APPLIED TO ANALYTICAL CHEMISTRY,
CHAPTER 5, QUOTE RADIOACTIVITY APPLIED TO CHEMISTRY QUOTE, EDITORS WAHL, A.C., BONNER, N.A. JOHN WILEY AND SONS, INC., NEW YORK, 82-101, TABLE 5B. 381-383, 1951. (ENGLISH). NAVAL RESEARCH LAB., WASHINGTON, D.C.

316 JESSEN, P.L. * PIERCE, K.C.
THE P-31 (N,P) REACTION AS A PROPOSED STANDARD METHOD FOR MEASUREMENT OF NEUTRON YIELDS FROM THE D(D,N)HE-3 REACTION,
13TH ANNUAL MEETING OF THE AMERICAN NUCLEAR SOCIETY, 12P., FEBRUARY 14, 1967. (ENGLISH), KAMAN NUCLEAR, COLORADO SPRINGS, COLORADO.

317 LJUNGGREN, K. * WESTERMARK, T.
A METHOD FOR THE DETECTION OF MERCURY BY RADIOACTIVATION ANALYSIS,
PURE AND APPL. CHEM., 1, 127-133 (1960), (ENGLISH) (FRENCH SUMMARY), ROYAL INSTITUTE OF TECHNOLOGY, STOCKHOLM, SWEDEN.

318 LJUNGGREN, K.
INSTRUMENTAL AIDS IN ACTIVATION ANALYSIS,
SVENSK KEMISK TIDSKRIFT, 70, 219-225 (1958), (SWEDISH). INSTITUTIONEN FOR FYSIKALISK KEMI, KTH, STOCKHOLM.

319 LONG, J.V.P.
THE ESTIMATION OF TANTALUM IN MIXTURES BY NEUTRON ACTIVATION ANALYSIS,
ANALYST, 76, 644-646 (1951), (ENGLISH). CHEMICAL RESEARCH LAB., TEDDINGTON, MIDDLESEX, ENGLAND.

320 LOVERIDGE, B.A. * SMALES, A.A.
ACTIVATION ANALYSIS AND ITS APPLICATION IN BIOCHEMISTRY.
D. GLICK, QUOTE METHODS OF BIOCHEMICAL ANALYSIS QUOTE, INTERSCIENCE, NEW YORK, VOL. V, 225-272, 1957, (ENGLISH), UK AERE, HARWELL, DIDCOT, BERKS, ENGLAND.

321 LOVETT, J.E. * ROBERTS, J.O.
NEW WAYS IN ISOTOPIC ANALYSIS OF URANIUM.
NUCLEONICS, 15, NO. 7, 72-75 (1957), (ENGLISH), USAEC, WASHINGTON, D.C.

322 LOWE, L.F. * THOMPSON, H.D. * CALI, J.P.
NEUTRON ACTIVATION ANALYSIS OF SILICON CARRIDE.
ANAL. CHEM., 31, 1951-1953 (1959), (ENGLISH), AIR RESEARCH AND DEVELOPMENT COMMAND, AIR FORCE CAMBRIDGE RESEARCH CENTER, BEDFORD, MASS.

323 LUKENS, H.R., JR.
THE ACTIVATION OF ANTIMONY IN ADHESIVE PRODUCTS.
NUCLEONICS, 17, NO. 1, 83 (1959), (ENGLISH), SHELL DEVELOPMENT CO., EMERYVILLE, CALIF.

324 JESSEN, P.L.
LONG-LIVED TARGETS.
KN-67-655(R). THIRD MEETING ON ACCELERATOR TARGETS DESIGNED FOR THE PRODUCTION OF NEUTRONS, LIEGE, BELGIUM, 14P., SEPTEMBER 18-19, 1967, (ENGLISH). KAMAN NUCLEAR, COLORADO SPRINGS, COLORADO.

325 MACKINTOSH, W.D. * JERVIS, R.E.
DETERMINATION OF LOW CONCENTRATIONS OF HAFNIUM IN REACTOR-GRADE ZIRCONIUM METAL AND ZIRCONIUM ALLOYS BY NEUTRON ACTIVATION ANALYSIS.
ANAL. CHEM., 30, 1180-1182 (1958), (ENGLISH), CHEMISTRY AND METALLURGY DIV., AECL, CHALK RIVER, ONTARIO, CANADA.

326 MACKINTOSH, W.D. * JERVIS, R.E.
DETERMINATION OF FISSILE MATERIAL BY NEUTRON ACTIVATION ANALYSIS.
CRDC-711 (AECL-483), 9P., AUGUST, 1957, (ENGLISH), ATOMIC ENERGY OF CANADA LTD., CHALK RIVER PROJECT, ONTARIO, CANADA.

327 MACKLIN, R.L. * LYKINS, J.H.
PHOTONEUTRON FISSION ANALYSIS FOR U-235 IN HIGH
PURITY U-238.
J. CHEM. PHYS., 19, 844-845 (1951), (ENGLISH),
UNION CARBIDE AND CARBON CORP., OAK RIDGE, TENN.

328 BRUNE, D.
RECOIL REACTIONS IN NEUTRON ACTIVATION ANALYSIS.
I. THE SZILARD-CHALMERS EFFECT APPLIED IN THE
ANALYSIS OF BIOLOGICAL SAMPLES. II. TRANSFER OF
ACTIVITIES FROM CONTAINER MATERIAL TO SAMPLE.
AE-172, 27P., 1965, (ENGLISH), AKTIEBOLAGET
ATOMENERGI, STOCKHOLM, SWEDEN,

329 MAHLMAN, H.A. * LEDDICOTTE, G.W.
DETERMINATION OF MICROGRAM AND SUBMICROGRAM
QUANTITIES OF URANIUM BY NEUTRON ACTIVATION
ANALYSIS.
ANAL. CHEM., 27, 823-825 (1955), (ENGLISH), OAK
RIDGE NATIONAL LAB., OAK RIDGE, TENN,

330 MALINOWSKI, J.
THE DETERMINATION OF SODIUM IN TELLURIC ACID BY
NEUTRON ACTIVATION AND GAMMA-SPECTROMETRY.
NUKLEONIKA, 6, 211-213 (1961), (FRENCH) (POLISH,
ENGLISH AND RUSSIAN SUMMARIES), INSTITUT DE
RECHERCHES NUCLEAIRES, WARSZAWA,

331 MAXIA, V.
MO/MN SEPARATION BY ANION EXCHANGE AND DETECTION
OF THE LATTER BY NEUTRON ACTIVATION.
LA RICERCA SCIENTIFICA, 29, NO. 7, 1476-1480
(1959). (ITALIAN) (FRENCH, ENGLISH AND GERMAN
SUMMARIES). ISTITUTO DI CHIMICA GENERALE DELL
UNIVERSITA DI CAGLIARI, ITALY,

332 MAY, S. * LEVEQUE, P.
DETERMINATION BY NEUTRON ACTIVATION OF THE
CONCENTRATION OF URANIUM-235 IN SOME OXIDES OF
URANIUM.
RADIOISOTOPES IN SCIENTIFIC RESEARCH, 2, 6P.
(1958). (FRENCH), CEN SACLAY, FRANCE,

333 MAYR, G.
ACTIVATION ANALYSIS WITH NUCLEAR EMULSIONS.
NUCLEONICS, 12, NO. 5, 58-60 (1954), (ENGLISH),
UNIVERSITA DEGLI STUDI DI MILANO, MILANO, ITALY.

334 MAYR, G.
DOSIMETRY BY ACTIVATION ANALYSIS,
LA RICERCA SCIENTIFICA, 29, 1481-1489 (1959),
(ITALIAN) (FRENCH, ENGLISH AND GERMAN SUMMARIES),
FACOLTA DI MEDICINA DELL UNIVERSITA DE MILANO,
ITALY.

335 MAYR, G. * BRUNER, H.D. * BRUCER, M.
BORON DETECTION IN TISSUES USING THE (N, ALPHA)
REACTION.
NUCLEONICS, 11, NO. 10, 21-25 (1953), (ENGLISH),
MEDICAL DIV., OAK RIDGE INSTITUTE OF NUCLEAR
STUDIES, OAK RIDGE, TENN.

336 MC KAY, H.A.C.
DETECTION OF PLUTONIUM BY IRRADIATION IN THE PILE.
AERE C/M 23, 3P. (1949), (ENGLISH), AERE, HARWELL,
BERKSHIRE, ENGLAND.

337 MEINKE, W.W.
TRACE ELEMENT SENSITIVITY COMPARISON OF ACTIVATION
ANALYSIS WITH OTHER METHODS,
SCIENCE, 121, 177-184 (1955), (ENGLISH), DEPT. OF
CHEMISTRY, UNIV. OF MICHIGAN, ANN ARBOR, MICH.

338 MEINKE, W.W.
ACTIVATION ANALYSIS GROWS.
CHEM. AND ENG. NEWS, 37, NO. 45, 40 (1959).
(ENGLISH), DEPT. OF CHEMISTRY, UNIV. OF MICHIGAN,
ANN ARBOR, MICH.

339 MEINKE, W.W.
DOES IRRADIATION INDUCE RADIOACTIVITY IN FOOD
NUCLEONICS, 12, NO. 10, 37-39 (1954), (ENGLISH).
DEPT. OF CHEMISTRY AND FISSION PRODUCTS LAB.,
UNIV. OF MICHIGAN, ANN ARBOR, MICH.

340 MEINKE, W.W.
SENSITIVITY CHARTS FOR NEUTRON ACTIVATION
ANALYSIS.
ANAL. CHEM., 31, 792-795 (1959), (ENGLISH). DEPT.
OF CHEMISTRY, UNIV. OF MICHIGAN, ANN ARBOR, MICH.

341 MEINKE, W.W.
PNEUMATIC TUBES SPEED ACTIVATION ANALYSIS,
NUCLEONICS, 17, NO. 9, 86-89 (1959), (ENGLISH).
UNIV. OF MICHIGAN, ANN ARBOR, MICH.

342 MEINKE, W.W.
TRACE-ELEMENT SENSITIVITY. COMPARISON OF ACTIVATION ANALYSIS WITH OTHER METHODS.
QUOTE TRACE ANALYSIS QUOTE, EDITED BY J.H. YOE, H.J. KOCH. JOHN WILEY AND SONS, NEW YORK, 619-636, 1957. (ENGLISH). UNIV. OF MICHIGAN, ANN ARBOR, MICH.

343 MEINKE, W.W. * ANDERSON, R.E.
ACTIVATION ANALYSIS OF SEVERAL RARE EARTH ELEMENTS. A COMPARISON WITH SPECTROPHOTOMETRIC PROCEDURES.
ANAL. CHEM., 26, 907-909 (1954). (ENGLISH). CHEMISTRY DEPT., UNIV. OF MICHIGAN, ANN ARBOR, MICH.

344 MEINKE, W.W. * ANDERSON, R.E.
ACTIVATION ANALYSIS USING A LOW LEVEL NEUTRON SOURCE.
ANAL. CHEM., 25, 778-783 (1953). (ENGLISH). CHEMISTRY DEPT., UNIV. OF MICHIGAN, ANN ARBOR, MICH.

345 MEINKE, W.W. * MADDOCK, R.S.
NEUTRON ACTIVATION CROSS-SECTION GRAPHS.
ANAL. CHEM., 29, 1171-1174 (1957). (ENGLISH). DEPT. OF CHEMISTRY, UNIV. OF MICHIGAN, ANN ARBOR, MICH.

346 CONDIT, R.H. * HOLT, J.B. * HIMMEL, L.
NUCLEAR ACTIVATION TECHNIQUE FOR DETECTING NITROGEN-15 TRACER IN SOLIDS.
J. ELECTROCHEM. SOC., 114, NO. 11, 1100-1104 (1967). (ENGLISH). LAWRENCE RADIATION LABORATORY, UNIVERSITY OF CALIFORNIA, LIVERMORE, CALIF.

347 MERZ, E. * HERR, W.
MICRODETERMINATION OF ISOTOPIC ABUNDANCE BY NEUTRON ACTIVATION.
SECOND UNITED NATIONS INTERNATIONAL CONFERENCE ON THE PEACEFUL USES OF ATOMIC ENERGY, 28, P/984, 491-495 (1958). (ENGLISH). MAX-PLANCK INSTITUT FUR CHEMIE, MAINZ, GERMANY.

348 IDDINGS, F.A. * DECELL, R.F.
INSTALLATION AND USE OF THE ACTIVATION ANALYSIS
LABORATORY AT THE NUCLEAR SCIENCE CENTER,
LOUISIANA STATE UNIVERSITY.
PROC. LOUISIANA ACAD. SCI., 28, 135-143 (DECEMBER
1965). (ENGLISH). NUCLEAR SCIENCE CENTER,
LOUISIANA STATE UNIVERSITY, BATON ROUGE,
LOUISIANA.

349 MACKINTOSH, W.D. * JERVIS, R.E.
THE DETERMINATION OF TRACE QUANTITIES OF URANIUM
IN NRU ALUMINUM SHEATHING BY NEUTRON ACTIVATION
ANALYSIS,
CRDC - 704, 13P, (1957), (ENGLISH), CHALK RIVER,
ONTARIO, CANADA,

350 MEINKE, W.W.
REVIEW OF FUNDAMENTAL DEVELOPMENTS IN ANALYSIS,
NUCLEONICS.
ANAL. CHEM., 28, 736-756 (1956), (ENGLISH). DEPT.
OF CHEMISTRY, UNIV. OF MICHIGAN, ANN ARBOR, MICH.

351 VOIGT, A.F. * ABU-SAMRA, A.
ANALYSIS OF A DAMASCUS STEEL BY NEUTRON AND GAMMA
ACTIVATION.
IS-1105, 12P., FEBRUARY 25, 1965, (ENGLISH).
INSTITUTE FOR ATOMIC RESEARCH AND DEPARTMENTS OF
CHEMISTRY AND NUCLEAR ENGINEERING, IOWA STATE
UNIVERSITY, AMES, IOWA.

352 MILLER, C.E.
NEUTRON ACTIVATION ANALYSIS METHODS FOR THE GROUP
VIII ELEMENTS.
ORNL-2715, 108P., MAY 21, 1959, (ENGLISH), ORNL,
OAK RIDGE, TENN,

353 MILNER, G.W.C. * SMALES, A.A.
THE DETERMINATION OF NIOBIUM IN STAINLESS STEEL.
ANALYST, 79, 425-430 (1954), (ENGLISH). ANALYTICAL
CHEMISTRY GROUP, AERE, HARWELL, NR. DIDCOT, BERKS,
ENGLAND.

354 MOLJK, A. * DREVER, R.W.P. * CURRAN, S.C.
TRACE-QUANTITY ANALYSIS, NEUTRON ACTIVATION
APPLIED TO POTASSIUM-MINERAL DATING.
NUCLEONICS, 13, NO. 2, 44-46 (1955), (ENGLISH).
DEPT. OF NATURAL PHILOSOPHY, GLASGOW UNIV.,
GLASGOW, SCOTLAND.

355 MONNIER, D.
RADIOCHEMICAL ANALYSIS.
INDUSTRIES ATOMIQUES, 1, (9-10), 59-64 (1957).
(FRENCH). PROFESSEUR DE CHIMIE ANALYTIQUE, L
UNIVERSITE DE GENEVE.

356 MONNIER, D. * HAERDI, W. * VOGEL, J.
MACRO AND MICRO-ANALYSIS OF TRACES OF COBALT. (V).
ANALYSIS OF AN 18/8 STEEL BY ACTIVATION WITH
THERMAL NEUTRONS.
HELV. CHIM. ACTA, 43, 675-686 (1960). (FRENCH)
(ENGLISH SUMMARY). LABORATOIRE DE CHIMIE MINERALE,
DE CHIMIE ANALYTIQUE ET DE MICROCHMIE DE L
UNIVERSITE DE GENEVE.

357 MORI, H. * UMEZAWA, H.
NONDESTRUCTIVE DETERMINATION OF TRACE AMOUNT OF
MANGANESE IN STEEL BY NEUTRON ACTIVATION.
J. JAPAN INST. METALS, 24, NO. 10, 641-645 (1960).
(JAPANESE) (ENGLISH SUMMARY). JAPAN.

358 MONTARIOL, F. * ALBERT, P. * CHAUDRON, G.
STUDY BY IRRADIATION IN THE ATOMIC PILE OF
INTERGRANULAR AND INTERSTITIAL SEGREGATION OF
TRACE IMPURITIES IN VERY PURE ALUMINUM.
COMPT. REND., 235, 477-480 (1952). (FRENCH).
FRANCE.

359 MORRIS, D.F.C.
NEUTRON ACTIVATION ANALYSIS AND NUCLEAR
TECHNOLOGY.
CHEM PROC. ENG., 41, 229-231 (1960). (ENGLISH).
BRUNEL COLLEGE OF TECHNOLOGY, LONDON, ENGLAND.

360 MORRIS, D.F.C. * BREWER, F.M.
THE OCCURENCE OF GALLIUM IN BLENDE.
GEOCHIM. COSMOCHIM. ACTA, 5, 134-141 (1954).
(ENGLISH). AERE, HARWELL, INORGANIC CHEMISTRY
LAB., OXFORD UNIV., ENGLAND.

361 MORRIS, D.F.C. * CHAMBERS, M.E.
THE DETERMINATION OF GALLIUM IN ROCKS BY
NEUTRON-ACTIVATION ANALYSIS.
TALANTA, 5, 147-153 (1960). (ENGLISH) (GERMAN AND
FRENCH SUMMARIES). DEPT. OF CHEMISTRY, BRUNEL
COLLEGE OF TECHNOLOGY, LONDON, W.3, ENGLAND.

362 MORRIS, D,F,C, * FIFIELD, F,W,
THE DETERMINATION OF RHENIUM IN ROCKS BY
NEUTRON-ACTIVATION ANALYSIS,
TALANTA, 8, 612-618 (1961), (ENGLISH) (GERMAN AND
FRENCH SUMMARIES), DEPT, OF CHEMISTRY, BRUNEL
COLLEGE OF TECHNOLOGY, LONDON, W,3, ENGLAND,

363 MORRIS, D,F,C, * KILLICK, R,A,
THE DETERMINATION OF SILVER AND THALLIUM IN ROCKS
BY NEUTRON-ACTIVATION ANALYSIS,
TALANTA, 4, 51-60 (1960), (ENGLISH) (GERMAN AND
FRENCH SUMMARIES), DEPT, OF CHEMISTRY, BRUNEL
COLLEGE OF TECHNOLOGY, LONDON, W,3, ENGLAND,

364 MORRIS, D,F,C, * KILLICK, R,A,
THE DETERMINATION OF ULTRA-MICRO QUANTITIES OF
SILVER IN PLATINUM SPONGE BY NEUTRON-ACTIVATION
ANALYSIS,
TALANTA, 3, 34-40 (1959), (ENGLISH) (GERMAN AND
FRENCH SUMMARIES), DEPT, OF CHEMISTRY, BRUNEL
COLLEGE OF TECHNOLOGY, LONDON, W,3, ENGLAND

365 MORRIS, D,F,C, * KILLICK, R,A,
SILVER AND THALLIUM CONTENTS OF ROCKS,
GEOCHIM, COSMOCHIM, ACTA, 19, 139-140 (1960),
(ENGLISH), DEPT, OF CHEMISTRY, BRUNEL COLLEGE OF
TECHNOLOGY, LONDON, W,3, ENGLAND,

366 MORRIS, D,F,C, * KILLICK, R,A,
THE DETERMINATION OF SILVER IN GALENA AND BLENDE
BY RADIOACTIVATION ANALYSIS,
ANAL, CHIM, ACTA, 20, 587-594 (1959), (ENGLISH)
(FRENCH AND GERMAN SUMMARIES), DEPT, OF CHEMISTRY,
BRUNEL COLLEGE OF TECHNOLOGY, LONDON, ENGLAND,

367 MORRIS, D,F,C, * OLYA, A,
THE DETERMINATION OF TANTALUM IN ROCKS BY
NEUTRON-ACTIVATION ANALYSIS,
TALANTA, 4, 194-200 (1960), (ENGLISH) (GERMAN AND
FRENCH SUMMARIES), DEPT, OF CHEMISTRY, BRUNEL
COLLEGE OF TECHNOLOGY, LONDON, W,3, ENGLAND,

368 MORRISON, G,H,
NEUTRON ACTIVATION ANALYSIS FOR TRACE ELEMENTS,
APPL, SPECTRO,, 10, 71-75 (1956), (ENGLISH),
CHEMISTRY LAB,, SYLVANIA ELECTRIC PRODUCTS, INC,,
FLUSHING, N,Y,

369 MORRISON, G.H.
RADIOCHEMISTRY IN ELECTRONICS RESEARCH.
NUCLEONICS, 11, NO. 1, 28-29 (1953), (ENGLISH).
RADIOCHEMICAL LAB., SYLVANIA ELECTRIC PRODUCTS,
INC., BAYSIDE, N.Y.

370 MORRISON, G.H. * COSGROVE, J.F.
ACTIVATION ANALYSIS OF TRACE IMPURITIES IN
GERMANIUM USING SCINTILLATION SPECTROMETRY.
ANAL. CHEM., 28, 320-323 (1956), (ENGLISH).
CHEMISTRY LAB., SYLVANIA ELECTRIC PRODUCTS, INC.,
FLUSHING, N.Y.

371 MORRISON, G.H. * COSGROVE, J.F.
ACTIVATION ANALYSIS OF TRACE IMPURITIES IN SILICON
USING SCINTILLATION SPECTROMETRY.
ANAL. CHEM., 27, 810-813 (1955), (ENGLISH).
CHEMISTRY LAB., SYLVANIA ELECTRIC PRODUCTS, INC.,
BAYSIDE, N.Y.

372 DAS, H.A.
ACTIVATION ANALYSIS.
ATOMENERGIE HAAR TOEPASSINGEN, 4, 295-297 (1962),
(ENGLISH). REACTOR CENTRUM NEDERLAND, PETTEN,
NETHERLANDS.

373 MUEHLHAUSE, C.O. * THOMAS, G.E.
USE OF THE PILE FOR CHEMICAL ANALYSIS.
NUCLEONICS, 7, NO. 1, 9-17, 59 (1950), (ENGLISH).
ARGONNE NATIONAL LAB., CHICAGO, ILLINOIS.

374 MULLER, J.H.
NEUTRON ACTIVATION ANALYSIS FOR MEDICAL ISOTOPE
DOSIMETRY WITH SPECIAL CONSIDERATION OF COLLOIDAL
AU-198.
PROC. FIRST UNESCO CONFERENCE PARIS 1957,
UNESCO/NS/RIC/205, 11P., 1957. (ENGLISH).
UNIVERSITY OF ZURICH, SWITZERLAND.

375 NAKAI, T. * YAJIMA, S. * FUJII, I. * OKADA, M.
ACTIVATION ANALYSIS USING SHORT-LIVED
RADIOISOTOPES. I. DETERMINATION OF HAFNIUM IN
ZIRCONIUM.
J. CHEM. SOC. JAPAN, 80, 49-52 (1959).
(JAPANESE). JAPAN ATOMIC ENERGY RESEARCH
INSTITUTE, JAPAN.

376 ATOMICS
NEUTRON SOURCES FOR ACTIVATION ANALYSIS.
ATOMICS, 16, NO. 4, 20-25 (JULY-AUGUST 1963),
(ENGLISH). USA.

377 NELSON, L. * AARON, D.
DETERMINATION OF URANIUM-235 BY NEUTRON ACTIVATION.
TID-7531, PART I, 78-96 (1957), (ENGLISH), USAEC, NEW BRUNSWICK, LAB., N.J.

378 NIXON, G.S. * SMITH, H.
ESTIMATION OF ARSENIC IN TEETH BY ACTIVATION ANALYSIS.
J. DENTAL RESEARCH, 39, NO. 3, 514-516 (1960), (ENGLISH), UNIVERSITY OF GLASGOW DENTAL SCHOOL, GLASGOW, SCOTLAND.

379 NOZAKI, T. * BABA, H. * ARAKI, H.
NEUTRON ACTIVATION ANALYSIS OF IODINE IN SILICON.
BULL. CHEM. SOC. JAPAN, 33, 320-322 (1960). (ENGLISH), THE ELECTRICAL COMMUNICATION LAB., NIPPON TELEGRAPH AND TELEPHONE PUBLIC CORP., MUSASHINO-SHI, TOKYO, JAPAN.

380 NUCLEAR CORPORATION OF AMERICA
GAMMA RAYS LOCATE BERYLLIUM.
CHEM. AND ENG. NEWS, 42-43 (DEC. 28, 1959). (ENGLISH), NUCLEAR CORPORATION OF AMERICA.

381 ODEBLAD, E.
ACTIVATION ANALYSIS WITH CHARGED PARTICLES.
ACTA RADIOL., 45, 396-402 (1956), (ENGLISH) (GERMAN AND FRENCH SUMMARIES), THE ISOTOPE LAB., DEPT. OF GYNECOLOGY, SABBATSBERGS SJUKHUS, KAROLINSKA INSTITUTE, STOCKHOLM, SWEDEN.

382 ODEBLAD, E.
ACTIVATION ANALYSIS WITH A POLONIUM 210 ALPHA SOURCE.
ACTA RADIOL., 42, 391-397 (1954), (ENGLISH) (GERMAN AND FRENCH SUMMARIES), DEPARTMENT OF GYNAECOLOGY, SABBATSBERGS SJUKHUS, KAROLINSKA INSTITUTET, STOCKHOLM, SWEDEN.

383 ODEBLAD, E. * NATI, G.
DETECTION OF BERYLLIUM BY MEANS OF THE BE-9 (ALPHA, N GAMMA) C-12 REACTION.
ACTA RADIOL., 43, 249-255 (1955), (ENGLISH) (GERMAN AND FRENCH SUMMARIES), THE GYNECOLOGICAL CLINC, SABBATSBERGS SJUKHUS, KAROLINSKA INSTITUTET, STOCKHOLM, SWEDEN.

384 ODEBLAD, E. * ODEBLAD, S.
ANALYTICAL USE OF THE AL-27 (ALPHA, N) P-30 REACTION.
ANAL. CHIM. ACTA, 15, 114-117 (1956), (ENGLISH) (FRENCH AND GERMAN SUMMARIES), ISOTOPE LAB., DEPT. OF GYNECOLOGY, KAROLINSKA INSTITUTET, SABBATSBERGS HOSPITAL, STOCKHOLM, SWEDEN.

385 ODEBLAD, E. * WESTIN, B. * MALMFORS, K.G.
DETERMINATION OF SODIUM AND PHOSPHORUS IN HUMAN CERVICAL MUCUS WITH ACTIVATION ANALYSIS.
ACTA RADIOL., 49, 137-140 (1958), (ENGLISH) (GERMAN AND FRENCH SUMMARIES), THE ISOTOPE LAB., DEPT. OF GYNECOLOGY, KAROLINSKA INSTITUTET, STOCKHOLM, SWEDEN.

386 OKADA, M.
NON-DESTRUCTIVE ANALYSIS OF MICROGRAM QUANTITIES OF SILVER BY RADIOACTIVATION.
NATURE, 187, 57-58 (1960), (ENGLISH), GOV T, CHEMICAL INDUSTRIAL RESEARCH INSTITUTE, TOKYO, SHIBUYA-KU, TOKYO, JAPAN.

387 OKADA, M.
NON-DESTRUCTIVE ANALYSIS OF SELENIUM BY NEUTRON ACTIVATION FOLLOWED BY GAMMA-RAY SPECTROMETRY.
NATURE, 187, 594-595 (1960), (ENGLISH), GOV T, CHEMICAL INDUSTRIAL RESEARCH INSTITUTE, SHIBUYA-KU, TOKYO, JAPAN.

388 OKADA, M.
OPTIMUM QUOTE COOLING TIME QUOTE TO MINIMIZE INTERFERING ACTIVITY IN NON-DESTRUCTIVE ACTIVATION ANALYSIS.
ANAL. CHIM. ACTA, 24, 410-412 (1961), (ENGLISH) (FRENCH AND GERMAN SUMMARIES), GOV T, CHEMICAL INDUSTRIAL RESEARCH INSTITUTE, TOKYO, HONMACHI, SHIBUYA-KU, TOKYO, JAPAN.

389 ATOMICS
DISPLAY AND INTERPRETATION OF GAMMA SPECTRA.
ATOMICS, 16, NO. 4, 25-29 (JULY-AUGUST 1963), (ENGLISH), USA.

390 ORDOGH, M. * UPOR-JUVANCZ, V.
SOME DATA ON THE ACTIVATION ANALYSIS OF HIGH PURITY SILICON.
ACTA CHIM., 26, 253-258 (1961), (ENGLISH), CENTRAL RESEARCH INSTITUTE FOR PHYSICS, BUDAPEST.

391 OSMOND, R.G. * SMALES, A.A.
THE DETERMINATION BY RADIOACTIVATION OF THE OXYGEN CONTENT OF POWDERED METALS WITH PARTICULAR REFERENCE TO BERYLLIUM.
ANAL. CHIM. ACTA, 10, 117-128 (1954), (ENGLISH) (FRENCH AND GERMAN SUMMARIES), ANALYTICAL CHEMISTRY GROUP, AERE, HARWELL, ENGLAND.

392 OVERMAN, R.T. * SWARTHOUT, J.A.
THE USE OF THE URANIUM REACTOR IN RADIOCHEMICAL STUDIES.
AECD-2245, 11P., AUGUST 31, 1948, (ENGLISH), OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE.

393 PEIRSON, D.H.
RADIOCHEMICAL ANALYSIS BY GAMMA-RAY SPECTROMETRY.
ATOMICS, 7, 316-322 (1956), (ENGLISH), AERE, HARWELL, ENGLAND.

394 BRODA, E. * SCHONFELD, T.
NUCLEAR METHODS IN CHEMICAL ANALYSIS.
ACTA CHIM. ACAD. SCI. HUNG., 50, 49-62 (1966), (ENGLISH), DEPARTMENT OF RADIOCHEMISTRY, INSTITUTE FOR PHYSICAL CHEMISTRY, AND INSTITUTE FOR INORGANIC CHEMISTRY, UNIVERSITY OF VIENNA.

395 OP DE BEECK, J.
THE DETERMINATION OF THORIUM, LANTHANUM AND SAMARIUM IN CERIUM(IV) NITRATE BY ACTIVATION ANALYSIS, WITH THE AID OF ELECTROPHORETIC FOCUSSING OF IONS.
ANAL. CHIM. ACTA, 40, NO. 2, 221-228 (1968), (ENGLISH) (GERMAN AND FRENCH SUMMARIES), INSTITUTE FOR NUCLEAR SCIENCES, GHENT UNIVERSITY, GHENT, BELGIUM.

396 PHILLIPS, G. * CORNISH, F.W.
THE DETERMINATION OF DYSPROSIUM IN HOLMIUM OXIDE BY RADIOACTIVATION ANALYSIS.
AERE C/R 1276, 11P., NOV. 1953, (ENGLISH), AERE, HARWELL, ENGLAND.

397 PICCIOTTO, E. * VAN STYVENDAEL, M.
DETERMINATION AND LOCALIZATION OF LITHIUM BY NUCLEAR REACTION IN MINERALS.
COMPT. REND., 232, 855-857 (1951), (FRENCH), FRANCE.

398 PLUMB, R.C.
MEASURING TRACE ELEMENTS BY ACTIVATION ANALYSIS.
NUCLEONICS, 14, NO. 5, 48-49 (1956), (ENGLISH).
ALUMINUM RESEARCH LAB., ALUMINUM CORP. OF AMERICA,
NEW KENSIGNTON, PA.

399 PLUMB, R.C. * LEWIS, J.E.
HOW TO MINIMIZE ERRORS IN NEUTRON ACTIVATION
ANALYSIS.
NUCLEONICS, 13, NO. 8, 42-46 (1955), (ENGLISH).
ALUMINUM RESEARCH LAB., ALUMINUM CO. OF AMERICA,
NEW KENSINGTON, PA.

400 PLUMB, R.C. * SILVERMAN, R.H.
ACTIVATION ANALYSIS DETERMINES SODIUM CONTENT OF
ALUMINUM ALLOYS.
NUCLEONICS, 12, NO. 12, 29-31 (1954), (ENGLISH).
ALUMINUM RESEARCH LAB., ALUMINUM CO. OF AMERICA,
NEW KENSINGTON, PA.

401 POINT, J.J.
DETERMINATION OF SMALL AMOUNTS OF CARBON IN IRON
BY PROTON IRRADIATION.
UNESCO/NS/RIC/48 (PROC. FIRST UNESCO CONF. PARIS,
1957), 8P. (FRENCH). INSTITUT INTERUNIVERSITAIRE
DES SCIENCES NUCLEAIRES, CENTRE DE LA FACULTE
POLYTECHNIQUE DE MONS, BELGIQUE.

402 POURADIER, J. * VENET, A.M. * CHATEAU, H.
APPLICATION OF THE RADIOCHEMICAL METHOD FOR
DETERMINING COPPER IN CELLULOSE ESTERS.
CHIM. ANAL., 35, 125-128 (1953), (FRENCH). FRANCE.

403 ISHII, D. * MORI, H. * HIROSE, Y.
ACTIVATION ANALYSIS OF OXYGEN WITH 14 MEV NEUTRONS
USING GOLD AS INTERNAL STANDARD.
KOGYO KAGAKU ZASSHI, 70, NO. 7, 1112-1116 (1967).
(JAPANESE) (ENGLISH SUMMARY). FACULTY OF
ENGINEERING, NAGOYA UNIVERSITY, NAGOYA, JAPAN.

404 ATOMICS
APPLICATIONS OF NEUTRON ACTIVATION ANALYSIS.
ATOMICS, 16, NO. 4, 29-33 (JULY-AUGUST 1963).
(ENGLISH). USA.

405 PURSER, P.R. * RYGARD, J. * HORNNES, N.
ACTIVATION ANALYSIS APPLIED TO BLOOD CLEARANCE
TESTS USING COLLOIDAL GOLD.
PHYS. MED. BIOL., 3, 361-365 (1959), (ENGLISH)
(FRENCH AND GERMAN SUMMARIES). THE RADIUM CENTRE,
COPENHAGEN.

406 LENIHAN, J.M.A.
ADVANCES IN ACTIVATION ANALYSIS,
NUCLEONICS, 23, NO. 2, 65-66, 68, 70-71 (1965),
(ENGLISH). WESTERN REGIONAL HOSP. BOARD, GLASGOW,
SCOTLAND.

407 PUTMAN, J.L. * TAYLOR, W.H.
DETERMINATION OF SELENIUM IN GLASS BY A
RADIOACTIVATION METHOD.
TRANS. SOC. GLASS TECHNOL., 42, 84T-87T (1958).
(ENGLISH), AERE, HARWELL, ENGLAND.

408 RABINOWICZ, E.
A STUDY OF METAL TRANSFER DURING SLIDING, USING
RADIOACTIVATION ANALYSIS,
PROC. PHYS. SOC. A, 64, 939-940 (1951), (ENGLISH),
RESEARCH LAB. ON THE PHYSICS AND CHEMISTRY OF
RUBBING SOLIDS, DEPT. OF PHYSICAL CHEMISTRY,
CAMBRIDGE.

409 FUKAI, R. * MEINKE, W.W.
ACTIVATION ANALYSES OF VANADIUM, ARSENIC,
MOLYBDENUM, TUNGSTEN, RHENIUM, AND GOLD IN MARINE
ORGANISMS.
LIMNOLOGY AND OCEANOGRAPHY, 7, 186-200 (1962),
(ENGLISH). DEPT. OF CHEM., UNIV. OF MICHIGAN, ANN
ARBOR, MICH.

410 REED, G.W. * HAMAGUCHI, H. * TURKEVICH, A.
THE URANIUM CONTENTS OF IRON METEORITES,
GEOCHIM. COSMOCHIM. ACTA, 13, 248-255 (1958),
(ENGLISH). ARGONNE NATIONAL LAB., LEMONT, ILL.

411 REED, G.W. * KIGOSHI, K. * TURKEVICH, A.
ACTIVATION ANALYSIS FOR HEAVY ELEMENTS IN STONE
METEORITES.
SECOND UNITED NATIONS INTERNATIONAL CONFERENCE ON
PEACEFUL USES OF ATOMIC ENERGY, 28, P/953,
486-490. (ENGLISH). ARGONNE NATIONAL LAB., LEMONT,
ILL.

412 REED, G.W. * TURKEVICH, A.
URANIUM CONTENT OF TWO IRON METEORITES.
NATURE, 176, 794-795 (OCT. 22, 1955), (ENGLISH).
ARGONNE NATIONAL LAB., LEMONT, ILL.

413 REID, A.F. * CALDWELL, R.L. * VANATTA, J.C.
THE USE OF ACTIVATION ANALYSIS AND RADIOSULFATE SPACE TO DETERMINE INTRACELLULAR SODIUM.
ARCH. BIOCHEM. BIOPHYS., 84, NO. 2, 498-511 (1959). (ENGLISH). DEPTS. OF BIOPHYSICS AND PHYSIOLOGY. THE UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL SCHOOL.

414 REIFFEL, L. * STONE, C.A.
NEUTRON ACTIVATION ANALYSIS OF TISSUE MEASUREMENTS OF SODIUM, POTASSIUM AND PHOSPHORUS IN MUSCLE.
J. LAB. CLIN. MED., 49, 286-291 (1957). (ENGLISH). PHYSICS RESEARCH, ARMOUR RESEARCH FOUNDATION, ILLINOIS INSTITUTE OF TECHNOLOGY, CHICAGO, ILL.

415 REYNOLDS, S.A.
ANALYTICAL RADIOCHEMISTRY.
RECORD OF CHEM. PROGRESS, 16, 99-119 (1955). (ENGLISH). ANALYTICAL CHEMISTRY DIV., OAK RIDGE NATIONAL LAB., OAK RIDGE, TENN.

416 RICCI, E. * MACKINTOSH, W.D.
NEUTRON ACTIVATION METHOD FOR THE DETERMINATION OF TRACES OF CADMIUM IN ALUMINUM.
ANAL. CHEM., 33, 230-233 (1961). (ENGLISH). CHEMISTRY AND METALLURGY DIV., ATOMIC ENERGY OF CANADA LTD., CHALK RIVER, ONTARIO, CANADA.

417 RIEZLER, W.
ANALYSIS THROUGH NUCLEAR TRANSMUTATION.
Z. NATURFORSCH., 4A, 545-549 (1949). (GERMAN). AUS DEM PHYSIKALISCHEN INSTITUT DER UNIVERSITAT BONN, GERMANY.

418 BECK, D.J. * GILLINGS, B.R.D.
INVESTIGATION OF THE USEFULNESS OF NEUTRON ACTIVATION ANALYSIS FOR STUDYING TRACE ELEMENTS IN SALIVA.
J. DENT. RES., 40, 383 (1961). (ENGLISH). EASTMAN DENTAL DISPENSARY, ROCHESTER, N.Y.

419 MOTOZIMA, K. * BANDO, S.
RADIOACTIVATION ANALYSIS.
KAGAKU KOGYO, 14, 771-778 (1963). (JAPANESE). JAPAN ATOMIC ENERGY RESEARCH INSTITUTE, TOKYO, JAPAN.

420 RODDEN, C.J.
ANALYTICAL NUCLEAR CHEMISTRY,
ANN. REV. NUCL. SCI., 1, 343-362 (1952),
(ENGLISH), NEW BRUNSWICK, N.J.

421 RONA, E.
A METHOD TO DETERMINE THE ISOTOPIC RATIO OF
THORIUM-232 TO THORIUM-230 IN MINERALS.
TRANS. AM. GEOPHYS. UNION, 38, 754-759 (1957),
(ENGLISH). OAK RIDGE INSTITUTE OF NUCLEAR STUDIES,
OAK RIDGE, TENN.

422 RONA, E. * HOOD, D.W. * AKERS, L.K. * MUSE, L.
DETERMINATION OF MANGANESE IN SEA WATER,
PREPRINT. 9P. (ENGLISH), OAK RIDGE INSTITUTE OF
NUCLEAR STUDIES, OAK RIDGE, TENN.

423 RUBIN, S. * PASSELL, T.O. * BAILEY, L.E.
CHEMICAL ANALYSIS OF SURFACES BY NUCLEAR METHODS.
ANAL. CHEM., 29, 736-743 (1957), (ENGLISH).
STANFORD RESEARCH INSITUTE, MENLO PARK, CALIF.

424 HIRANO, S. * MIZUIKE, A. * TAKAGI, S.
DETERMINATION OF GOLD AND ARSENIC IN HIGH-PURITY
LEAD BY NEUTRON-ACTIVATION ANALYSIS,
BUNSEKI KAGAKU, 10, 951-954 (1961), (JAPANESE)
(ENGLISH SUMMARY), FACULTY OF ENGINEERING,
UNIVERISTY OF TOKYO, JAPAN.

425 RYSKIN, G.Y.
DIFFUSION COEFFICIENT MEASUREMENT BY THE
RADIOACTIVATION ANALYSIS AND ISOTOPIC DILUTION
METHODS.
SOC. PHYS. SOLID STATE, 1, NO. 6, 870-872 (1959),
(ENGLISH). LENINGRAD PHYSICOTECHNICAL INSTITUTE,
ACADEMY OF SCIENCES, USSR.

426 FUJII, I. * MUTO, H. * MIYOSHI, K.
DETERMINATION OF OXYGEN IN METALS BY 14-MEV
NEUTRON ACTIVATION.
BUNSEKI KAGAKU, 13, 249-254 (1964), (JAPANESE)
(ENGLISH SUMMARY), TOKYO SHIBAURA ELECTRIC CO.,
LTD., KAWASAKI, JAPAN.

427 SAITO, N.
RADIOACTIVATION ANALYSIS.
BUNSEKI KAGAKU, 4, 254-262 (1955), (JAPANESE),
JAPAN.

428 SALMON, L.
GAMMA SPECTROSCOPY APPLIED TO RADIOACTIVATION ANALYSIS. PART 3. THE DETERMINATION OF COBALT IN IRON USING GAMMA-GAMMA COINCIDENCE MEASUREMENT.
AERE C/R 2377 (3), 8P, (1958), (ENGLISH), AERE, HARWELL, BERKSHIRE, ENGLAND.

429 SALMON, L.
THE DETERMINATION OF SODIUM AND POTASSIUM IN A SAMPLE OF DUNITE BY RADIOACTIVATION ANALYSIS.
AERE C/M 323, 4P, (1957), (ENGLISH), AERE, HARWELL, BERKSHIRE, ENGLAND.

430 SALMON, L.
GAMMA RAY SPECTROSCOPY APPLIED TO RADIOACTIVATION ANALYSIS. PART 1. INTRODUCTION AND NUCLEAR DATA.
AERE C/R 2377 (1), 56P, (1959), (ENGLISH), AERE, HARWELL, BERKSHIRE, ENGLAND.

431 SALMON, L.
THE DETERMINATION BY RADIOACTIVATION OF ARSENIC OCCURRING IN HIGH PURITY SULPHUR USED BY ISOTOPES DIVISION.
AERE C/M 154, 3P, (1952), (ENGLISH), AERE, HARWELL, BERKS, ENGLAND.

432 SALMON, L.
THE EXTENT OF THE FAST NEUTRON EFFECT ON THE DETERMINATION OF SODIUM IN ALUMINIUM BY ACTIVATION IN THE HARWELL PILE.
AERE C/R 1324, 3P, (1954), (ENGLISH), AERE, HARWELL, BERKS, ENGLAND.

433 SAYRE, E.V. * MURRENHOFF, A. * WEICK, C.F.
THE NONDESTRUCTIVE ANALYSIS OF ANCIENT POTSHERDS THROUGH NEUTRON ACTIVATION.
BNL 508 (T-122), 15P., APRIL 1, 1958, (ENGLISH), BROOKHAVEN NATIONAL LAB., UPTON, N.Y.

434 SCHINDEWOLF, U.
SELENIUM AND TELLURIUM CONTENT OF STONY METEORITES BY NEUTRON ACTIVATION.
GEOCHIM. COSMOCHIM. ACTA, 19, 134-138 (1960), (ENGLISH), DEPT. OF CHEMISTRY, UNIV. OF MICHIGAN, ANN ARBOR, MICH.

435 SCHINDEWOLF, U.
CHEMICAL ANALYSIS BY MEANS OF NEUTRON REACTIONS.
ANGEW. CHEM., 70, 181-187 (1958), (GERMAN), DEPT. OF CHEMISTRY, UNIV. OF MICHIGAN, ANN ARBOR, MICH.

436 SCHINDEWOLF, U. * WAHLGREN, M.
THE RHODIUM, SILVER AND INDIUM CONTENT OF SOME CHONDRITIC METEORITES,
GEOCHIM. COSMOCHIM. ACTA, 18, 36-41 (1960). (ENGLISH). DEPT. OF CHEMISTRY, UNIV. OF MICHIGAN, ANN ARBOR, MICH.

437 SCHMEISER, K. * JERCHEL, D.
ANALYSIS OF COMPOUNDS CONTAINING SULPHUR, CHLORINE AND BROMINE BY PAPER CHROMATOGRAMS AND INDUCED RADIOACTIVITY,
ANGEW. CHEM., 65, 366-368 (1953), (GERMAN). AUS DEN INSTITUTEN FUR CHEMIE AM MAX-PLANCK INSTITUT FUR MEDIZINISCHE FORSCHUNG, HEIDELBERG, GERMANY.

438 SCHMEISER, K. * JERCHEL, D.
DETERMINATION OF PHOSPHORS BY NEUTRON ACTIVATION OF PAPER ELECTROPHORESOGRAMS,
ANGEW. CHEM., 65, 490-491 (1953), (GERMAN). AUS DEN INSTITUTEN FUR PHYSIK UND CHEMIE IN MAX-PLANCK INSTITUT FUR MEDIZINISCHE FORSCHUNG, HEIDELBERG, GERMANY.

439 SCHMITT, R.A. * MOSEN, A.W. * SUFFREDINI, C.S. * LASCH, J.E. * SHARP, R.A. * OLEHY, D.A.
ABUNDANCES OF THE RARE-EARTH ELEMENTS, LANTHANUM TO LUTETIUM, IN CHONDRITIC METEORITES,
NATURE, 186, 863-866 (1960), (ENGLISH). JOHN JAY HOPKINS LAB. FOR PURE AND APPLIED SCIENCE, GENERAL ATOMIC DIV. OF GENERAL DYNAMICS CORP., SAN DIEGO, CALIF.

440 SCHONFELD, T. * BRODA, E.
THE USE OF RADIOACTIVITY IN CHEMICAL ANALYSIS,
ATOMPRAXIS, 3, 217-221 (1957), (GERMAN). AUS DEM I. CHEMISCHEN INSTITUT DER UNIVERSITAT WIEN, AUSTRIA.

441 SCHULZE, W.
ON THE NEUTRON ACTIVATION METHOD,
Z. ELEKTROCHEMIE, 64, NO. 8/9, 1083-1088 (1960). (GERMAN). AUS DEM HAHN-MEITNER-INSTITUT FUR KERNFORSCHUNG, SEKTOR KERNCHEMIE, BERLIN-WANNSEE, GERMANY.

442 SAMSAHL, K.
A FAST RADIOCHEMICAL METHOD FOR THE DETERMINATION OF SOME ESSENTIAL TRACE ELEMENTS IN BIOLOGY AND MEDICINE,
AE-168, 12P., 1964, (ENGLISH), AKTIEBOLAGET ATOMENERGI, STOCKHOLM, SWEDEN.

443 SEABORG, G.T. * LIVINGOOD, J.J.
ARTIFICIAL RADIOACTIVITY AS A TEST FOR MINUTE TRACES OF ELEMENTS.
J. AM. CHEM. SOC., 60, 1784-1786 (1938),
(ENGLISH). DEPT. OF CHEMISTRY AND RADIATION LAB., DEPT. OF PHYSICS, UNIVERSITY OF CALIFORNIA.

444 BRYAN, D.E. * GUINN, V.P.
A METHOD OF COMPARING GAMMA-RAY SPECTRA FOR THE PRESENTATION OF ACTIVATION ANALYSIS RESULTS IN COURT.
TRANS. AM. NUCL. SOCIETY, 7, 329 (1964),
(ENGLISH). GENERAL ATOMICS, SAN DIEGO, CALIF.

445 SENFTLE, F.E. * GAUDIN, A.M.
CONCENTRATION OF ORES BY INDUCED ACTIVITIES.
NUCLEONICS, 8, NO. 5, 53-59 (1951), (ENGLISH),
DEPT. OF METALLURGY, MIT, CAMBRIDGE, MASS.

446 SENFTLE, F.E. * LEAVITT, W.Z.
TABLE FOR SIMPLIFYING CALCULATIONS OF ACTIVITIES PRODUCED BY THERMAL NEUTRONS.
NUCLEONICS, 6, NO. 5, 54-63 (1950), (ENGLISH),
DEPT. OF METALLURGY, MIT, CAMBRIDGE, MASS.

447 SENFTLE, F.E. * CHAMPION, W.R.
TABLES FOR SIMPLIFYING CALCULATIONS OF ACTIVITIES PRODUCED BY THERMAL NEUTRONS.
SUPPL. NUOVO CIMENTO, 12, NO. 3, 549-571 (1954),
(ENGLISH). U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C.

448 SEYFANG, A.P.
AN IMPROVEMENT IN THE DETERMINATION OF URANIUM-235 BY RADIOACTIVATION.
ANALYST, 80, 74-76 (1955). (ENGLISH), DEPT. OF ATOMIC ENERGY, CHEMICAL SERVICES DEPT., SPRINGFIELDS WORKS, SALWICK, NR. PRESTON, LANCS., ENGLAND.

449 SEYFANG, A.P. * SMALES, A.A.
THE DETERMINATION OF URANIUM-235 IN MIXTURES OF NATURALLY OCCURRING URANIUM ISOTOPES BY RADIOACTIVATION.
ANALYST, 78, 394-405 (1953), (ENGLISH). ANALYTICAL CHEMISTRY GROUP, AERE, HARWELL, BERKSHIRE, ENGLAND.

450 BURNETT, W.T., JR, * COHAN, M.D.
THE REMOVAL OF SODIUM CONTAMINANTS, IN ACTIVATION ANALYSIS, WITH A CENTRIFUGATION METHOD USING ION EXCHANGE PAPER IN A NOVEL PLASTIC COLUMN.
TRANS. AM. NUCL. SOC., 7, 333-334 (1964), (ENGLISH). GENERAL ATOMICS, SAN DIEGO, CALIF.

451 SHIPMAN, G.F. * MILNER, O.I.
DETERMINATION OF ARSENIC IN HYDROCARBON REFORMING CATALYSTS BY NEUTRON ACTIVATION.
ANAL. CHEM., 30, 210-212 (1958), (ENGLISH). RESEARCH AND DEVELOPMENT LAB., SOCONY MOBIL OIL CO., INC., PAULSBORO, N.J.

452 SHORT, H.G. * WILLIAMS, A.I.
DETERMINATION OF SMALL AMOUNTS OF SILICON IN HIGH-PURITY IRON.
ANALYST, 83, 624-627 (1958), (ENGLISH). NATIONAL PHYSICAL LAB., TEDDINGTON, MIDDLESEX, ENGLAND.

453 SIMNAD, M.T.
NUCLEAR IRRADIATION AND RADIOISOTOPES IN METAL RESEARCH.
INTERN. J. APPL. RAD. AND ISOTOPES, 1, 145-148 (1956). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN SUMMARIES). JOHN JAY HOPKINS LABORATORY FOR PURE AND APPLIED RESEARCH, GENERAL ATOMIC DIV., GENERAL DYNAMICS CORP., SAN DIEGO, CALIF.

454 SHIBUYA, M.
STUDY ON THE UTILIZATION OF ACTIVATION ANALYSIS BY REACTOR NEUTRONS IN THE ANALYSIS OF MICROINORGANIC ELEMENTS IN PLANTS AND SOILS.
PROC. JAPAN CONF. RADIOISOTOPES, 4TH, 1156-1160 (1961), (JAPANESE). NATIONAL INSTITUTE OF AGRICULTURAL SCIENCES, TOKYO, JAPAN.

455 SIPPEL, R.F. * GLOVER, E.D.
SEDIMENTARY ROCK ANALYSIS BY CHARGED PARTICLE BOMBARDMENT.
NUCL. INSTR. AND METHODS, 9, 37-48 (1960), (ENGLISH). SOCONY MOBIL OIL CO., INC., FIELD RESEARCH LAB., DALLAS, TEXAS.

456 SMALES, A.A.
SOME INDICATION OF THE SCOPE OF RADIOACTIVATION ANALYSIS.
RADIOISOTOPE TECHNIQUES, II, (OXFORD 1951), H.M.S.O. LONDON, 162-171 (1952), (ENGLISH). AERE, HARWELL, ENGLAND.

457 SMALES, A.A.
A COMPARISION OF SOME METHODS FOR THE
DETERMINATION OF TRACE IMPURITIES IN
SEMICONDUCTORS.
J. ELECTRONICS, 1, 327-332 (1955), (ENGLISH),
ANALYTICAL CHEMISTRY GROUP, AERE, HARWELL, DIDCOT,
BERKS, ENGLAND.

458 SMALES, A.A.
THE SCOPE OF RADIOACTIVATION ANALYSIS,
ATOMICS, 4, 55-63 (1953), (ENGLISH), AERE,
HARWELL, ENGLAND.

459 MYTTENAERE, C, * KIRCHMANN, R,
INFLUENCE OF THE APPLICATION OF STABLE STRONTIUM
TO THE SOIL ON THE STRONTIUM CONTENT OF CULTIVATED
VEGETABLES, USE OF ACTIVATION ANALYSIS AND GAMMA
SPECTROMETRY,
PHYSIOL, PLANTARUM, 15, NO, 4, 656-662 (1962),
(FRENCH), SERVICE DE BIOLOGIE DE LA DIRECTION
RECHERCHES ET ENSEIGNEMENT DE L EURATOM, DETACHE
AU C.E.N, MOL, BELGIUM,

460 SMALES, A.A.
THE DETERMINATION OF TRACE IMPURITIES IN LIQUID
METAL COOLANTS BY RADIOACTIVATION METHODS,
INTERNATIONAL CONFERENCE ON THE PEACEFUL USES OF
ATOMIC ENERGY, 9, 273-279 (1955), (ENGLISH), AERE,
HARWELL, BERKS, ENGLAND,

461 SMALES, A.A.
THE DETERMINATION OF SMALL QUANTITIES OF URANIUM
IN ROCKS AND MINERALS BY RADIOACTIVATION,
ANALYST, 77, 778-789 (1952), (ENGLISH) (FRENCH AND
GERMAN SUMMARIES), AERE, HARWELL, ENGLAND,

462 SMALES, A.A.
SOME TRACE-ELEMENT DETERMINATIONS IN G1 AND W1 BY
NEUTRON ACTIVATION,
GEOCHIM, COSMOCHIM, ACTA, 8, 300 (1955),
(ENGLISH), ANALYTICAL CHEMISTRY GROUP, AERE,
HARWELL, DIDCOT, BERKS, ENGLAND,

463 SMALES, A.A.
RECENT ADVANCES IN RADIOACTIVATION ANALYSIS,
INTERNATIONAL CONFERENCE ON THE PEACEFUL USES OF
ATOMIC ENERGY, 15, 73-77 (1955), (ENGLISH), AERE,
HARWELL, BERKS, ENGLAND,

464 SMALES, A.A.
RADIOACTIVATION ANALYSIS,
ANN. REPORTS CHEM. SOC., 46, 285-291 (1949),
(ENGLISH). AERE, HARWELL, ENGLAND.

465 SMALES, A.A. * BROWN, L.O.
THE DETERMINATION OF ARSENIC IN GERMANIUM DIOXIDE
BY RADIOACTIVATION,
CHEM. AND IND., 441-442 (1950), (ENGLISH), AERE,
HARWELL, ENGLAND.

466 SMALES, A.A. * FERRETT, D.J.
THE IMPACT OF ATOMIC ENERGY ON ANALYTICAL
CHEMISTRY,
ATOMIC WORLD, 10, 210-214 (1959), (ENGLISH),
ANALYTICAL CHEMISTRY BRANCH, AERE, HARWELL,
ENGLAND.

467 SMALES, A.A. * LOVERIDGE, B.A.
THE DETERMINATION OF SUB-MICROGRAM QUANTITIES OF
SODIUM IN LITHIUM METAL BY RADIOACTIVATION,
ANAL. CHIM. ACTA, 13, 566-573 (1955), (ENGLISH)
(FRENCH AND GERMAN SUMMARIES), AERE, HARWELL,
BERKS, ENGLAND.

468 SMALES, A.A. * MAPPER, D.
THE DETERMINATION OF CERTAIN TRACE IMPURITIES IN
GRAPHITE BY RADIOACTIVATION, PART 1, VANADIUM,
AERE C/R 2392, 8P, (1957), (ENGLISH), AERE,
HARWELL, BERKSHIRE, ENGLAND.

469 SMALES, A.A. * MAPPER, D. * MORGAN, J.W. *
WEBSTER, R.K. * WOOD, A.J.
SOME GEOCHEMICAL DETERMINATIONS USING RADIOACTIVE
AND STABLE ISOTOPES,
SECOND UNITED NATIONS INTERNATIONAL CONFERENCE ON
THE PEACEFUL USES OF ATOMIC ENERGY, 2, P/282,
242-248 (1958), (ENGLISH), UKAEA, AERE, HARWELL,
ENGLAND.

470 SMALES, A.A. * MAPPER, D. * WOOD, A.J.
THE DETERMINATION, BY RADIOACTIVATION, OF SMALL
QUANTITIES OF NICKEL, COBALT AND COPPER IN ROCKS,
MARINE SEDIMENTS AND METEORITES,
ANALYST, 82, 75-88 (1957), (ENGLISH), ANALYTICAL
CHEMISTRY GROUP, AERE, HARWELL, NR, DIDCOT, BERKS,
ENGLAND.

471 SMALES, A.A. * MAPPER, D. * WOOD, A.J.
RADIOACTIVATION ANALYSIS OF QUOTE COSMIC QUOTE AND OTHER MAGNETIC SPHERULES.
GEOCHIM. COSMOCHIM. ACTA, 13, 123-126 (1958). (ENGLISH). AERE, HARWELL, ENGLAND.

472 SMALES, A.A. * MAPPER, D. * SEYFANG, A.P.
THE DETERMINATION OF URANIUM IN FAIRLY PURE BERYLLIUM METAL BY NEUTRON ACTIVATION AND GAMMA SPECTROMETRY.
AERE-R 3313, 20P., 1960, (ENGLISH), CHEMISTRY DIVISION, AERE, HARWELL, BERKSHIRE, ENGLAND.

473 SMALES, A.A. * MAPPER, D. * WOOD, A.J.
THE DETERMINATION BY RADIOACTIVATION OF TRACE QUANTITIES OF ARSENIC, ANTIMONY AND COPPER IN PURE SILICON.
AERE C/R 2254, 17P., 1957, (ENGLISH), AERE, HARWELL, BERKSHIRE, ENGLAND.

474 SMALES, A.A. * PATE, B.D.
DETERMINATION OF SUBMICROGRAM QUANTITIES OF ARSENIC BY RADIOACTIVATION. GENERAL METHOD AND APPLICATION TO GERMANIUM DIOXIDE.
ANAL. CHEM., 24, 717-721 (1952), (ENGLISH). AERE, HARWELL, ENGLAND.

475 SMALES, A.A. * PATE, B.D.
THE DETERMINATION OF SUB-MICROGRAM QUANTITIES OF ARSENIC BY RADIOACTIVATION. PART II. THE DETERMINATION OF ARSENIC IN SEA-WATER.
ANALYST, 77, 188-195 (1952), (ENGLISH). AERE, HARWELL, ENGLAND.

476 SMALES, A.A. * PATE, B.D.
THE DETERMINATION OF SUB-MICROGRAM QUANTITIES OF ARSENIC BY RADIOACTIVATION. PART III. THE DETERMINATION OF ARSENIC IN BIOLOGICAL MATERIAL.
ANALYST, 77, 196-202 (1952), (ENGLISH). AERE, HARWELL, ENGLAND.

477 SMALES, A.A. * SALMON, L.
DETERMINATION BY RADIOACTIVATION OF SMALL AMOUNTS OF RUBIDIUM AND CAESIUM IN SEA-WATER AND RELATED MATERIALS OF GEOCHEMICAL INTEREST.
ANALYST, 80, 37-50 (1955). (ENGLISH), AERE, HARWELL, ENGLAND.

478 SMALES, A.A. * SMIT, J. VAN R. * IRVING, H.
DETERMINATION OF INDIUM IN ROCKS AND MINERALS BY RADIOACTIVATION.
ANALYST, 82, 539-549 (1957), (ENGLISH). AERE, HARWELL, ENGLAND.

479 SMIRNOV, V.N. * STARCHIK, L.P.
THE QUANTITATIVE CONTROL OF BERYLLIUM AND FLUORITE ORE CONCENTRATES BY ALPHA-PARTICLE BOMBARDMENT.
AKADEMIIA NAUK SSSR DOKLADY, 127, NO. 3, 618-619 (1959), (RUSSIAN), RUSSIA.

480 ANALYTICAL CHEMISTRY
NEW SERVICE TO ANALYSTS.
ANAL. CHEM., 24, 1235 (1952), (ENGLISH), USA.

481 SMITH, H.
ESTIMATION OF ARSENIC IN BIOLOGICAL TISSUE BY ACTIVATION ANALYSIS.
ANAL. CHEM., 31, 1361-1363 (1959), (ENGLISH), DEPT. OF FORENSIC MEDICINE, UNIV. OF GLASGOW, GLASGOW, SCOTLAND.

482 SMITH, R.R. * PASSELL, T.O. * REEDER, S.D.
RADIOCHEMICAL ANALYSES FOR FE, CR, NI, AND CO CORROSION PRODUCTS.
AECD-3889, 16P., SEPT. 9, 1955, (ENGLISH), PHILLIPS PETROLEUM CO., ATOMIC ENERGY DIV., IDAHO FALLS, IDAHO.

483 SOWDEN, E.M.
TRACE ELEMENTS IN HUMAN TISSUE. 3. STRONTIUM AND BARIUM IN NON-SKELETAL TISSUES.
BIOCHEM. J., 70, 712-715 (1958), (ENGLISH). MEDICAL RESEARCH COUNCIL RADIOBIOLOGICAL RESEARCH UNIT, AERE, HARWELL, DIDCOT, BERKS, ENGLAND.

484 SOWDEN, E. * PIRIE, A.
BARIUM AND STRONTIUM CONCENTRATIONS IN EYE TISSUE.
BIOCHEM. J., 70, 716-717 (1958), (ENGLISH), M.R.C. RADIOBIOLOGICAL RESEARCH UNIT, AERE, HARWELL, ENGLAND.

485 SOWDEN, E.M. * STITCH, S.R.
TRACE ELEMENTS IN HUMAN TISSUE. 2. ESTIMATION OF THE CONCENTRATIONS OF STABLE STRONTIUM AND BARIUM IN HUMAN BONE.
BIOCHEM. J., 67, 104-109 (1957), (ENGLISH). MEDICAL RESEARCH COUNCIL RADIOBIOLOGICAL RESEARCH UNIT, AERE, HARWELL, DIDCOT, BERKS, ENGLAND.

486 SPENCER, R.P.
NEUTRON ACTIVATION OF TRACE METALS AS A TOOL IN
INDUSTRIAL HEALTH AND TOXICOLOGY.
A.M.A. ARCH. IND. HEALTH, 20, 194-198 (1959).
(ENGLISH). BOSTON, MASS.

487 SPENCER, R.P. * MITCHELL, T.G. * KING, E.R.
NEUTRON ACTIVATION ANALYSIS OF BLOOD.
AM. J. ROENTGENOL. RADIUM THERAPY NUCLEAR MED.,
79, 1053-1062 (1958). (ENGLISH). BETHESDA,
MARYLAND.

488 SPENCER, R.P. * MITCHELL, T.G. * KING, E.R.
MEDICAL APPLICATIONS OF NEUTRON ACTIVATION
ANALYSIS.
INTERN. J. APPL. RAD. AND ISOTOPES, 3, 104-112
(1958). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN
SUMMARIES). THE RADIOISOTOPE LAB., USNH, BETHESDA,
MARYLAND.

489 SPENCER, R.P. * MITCHELL, T.G. * KING, E.R.
NEUTRON ACTIVATION ANALYSIS OF SODIUM IN BLOOD
SERUM.
J. LAB. CLIN. MED., 50, 646-652 (1957). (ENGLISH).
BETHESDA, MARYLAND.

490 STARIK, I.E. * SHATS, M.M.
DETERMINATION OF URANIUM IN STONE AND IRON
METEORITES.
GEOKHIMIYA, 19, NO. 2, 140-148 (1956). (ENGLISH
TRANSLATION). RUSSIA.

491 STEPHENS, W.E. * LEWIS, M.N.
AUTORADIOGRAPHIC DETECTION OF ALUMINUM.
PHYS. REV., 69, 43 (1946). (ENGLISH). RANDAL
MORGAN LABORATORY OF PHYSICS, UNIV. OF
PENNSYLVANIA, PHILADELPHIA, PA.

492 STEWART, D.C. * BENTLEY, W.C.
ANALYSIS OF URANIUM IN SEA WATER.
SCIENCE, 120, 50-51 (1954). (ENGLISH). ARGONNE
NATIONAL LAB., LEMONT, ILLINOIS.

493 STOENNER, R.W. * ZAHRINGER, J.
POTASSIUM-ARGON AGE OF IRON METEORITES.
GEOCHIM. COSMOCHIM. ACTA, 15, 40-50 (1958).
(ENGLISH). BROOKHAVEN NATIONAL LAB., UPTON, L.I.,
N.Y.

494 STRIBEL, T.
DETERMINATION OF THE HAFNIUM CONTENT OF ZIRCONIUM BY ACTIVATION ANALYSIS.
Z. ANGEW. PHYS., 9, 293 (1957), (GERMAN), ABTEILUNG DES MAX-PLANCK INSTITUT FUR PHYSIK DER STRATOSPHARE, GERMANY.

495 SUE, P.
ANALYTICAL USE OF (D, N) AND (D, ALPHA) NUCLEAR REACTIONS FOR CERTAIN LIGHT ELEMENTS.
COMPT. REND., 242, 770-771 (1956), (FRENCH), FRANCE.

496 SUE, P.
ANALYSES BY ARTIFICIAL RADIOELEMENTS AND BY NEUTRONS.
BULL. SOC. CHIM. FRANCE, D.9-D.32 (1951), (FRENCH), FRANCE.

497 SUE, P.
TRACE ANALYSIS BY ACTIVATION WITH DEUTERONS.
15TH INTERNATIONAL CONGRESS OF PURE AND APPLIED CHEMISTRY, LISBON, PAPER V-31 (FRANCE), 764-765, 1956, (FRENCH), LABORATOIRE DE PHYSIQUE ET CHIMIE NUCLEAIRES, COLLEGE DE FRANCE, PARIS, FRANCE.

498 SUE, P.
POSSIBILITY OF THE MICRODETERMINATION OF CARBON INORGANIC MATERIALS BY THE NUCLEAR REACTION C-12 (D, N) N-13.
COMPT. REND., 237, 1696-1698 (1953), (FRENCH), FRANCE.

499 SUE, P.
NITROGEN DETERMINATION BY THE N-14 (D, N) O-15 NUCLEAR REACTION.
COMPT. REND., 240, 88-90 (1955), (FRENCH), FRANCE.

500 BROADHEAD, K.G. + HEADY, H.H.
ELIMINATION OF CONTAINER EFFECTS IN ACTIVATION ANALYSIS.
ANAL. CHEM., 37, 759-760 (1965), (ENGLISH), RENO METALLURGY RESEARCH CENTER, BUREAU OF MINES, U.S. DEPARTMENT OF THE INTERIOR, RENO, NEVADA.

501 SZEKELY, G.
DETERMINATION OF TRACES OF COPPER IN GERMANIUM BY ACTIVATION ANALYSIS.
ANAL. CHEM., 26, 1500-1502 (1954), (ENGLISH), PHYSICS LABORATORIES, SYLVANIA ELECTRIC PRODUCTS, INC., BAYSIDE, N.Y.

502 TALBOT, J. * ALBERT, P. * CARON, M. * CHAUDRON, G.
METHOD OF PREPARATION AND ANALYSIS OF SAMPLES OF
IRON OF VERY HIGH PURITY.
REVUE METALLURGIE, 50, 817-828 (1953), (FRENCH),
FRANCE.

503 TAYLOR, T.I. * ANDERSON, R.H. * HAVENS, W.W., JR.
CHEMICAL ANALYSIS BY NEUTRON SPECTROSCOPY.
SCIENCE, 114, 341-355 (1951), (ENGLISH), CHEMISTRY
AND PHYSICS DEPARTMENTS, COLUMBIA UNIVERSITY, N.Y.

504 WESTER, P.O.
CONCENTRATION OF 17 ELEMENTS IN SUBCELLULAR
FRACTIONS OF BEEF HEART TISSUE DETERMINED BY
NEUTRON ACTIVATION ANALYSIS.
AE-159, 29P., DECEMBER 1964, (ENGLISH),
AKTIEBOLAGET ATOMENERGI, STOCKHOLM, SWEDEN.

505 TAYLOR, T.I. * HAVENS, W.W., JR.
NEUTRON SPECTROSCOPY FOR CHEMICAL ANALYSIS - III.
THERMAL NEUTRONS, NEUTRON FLUX, ACTIVATION.
NUCLEONICS, 6, NO. 4, 54-66 (1950), (ENGLISH),
CHEMISTRY DEPT., COLUMBIA UNIVERSITY, N.Y.

506 TAYLOR, T.I. * HAVENS, W.W., JR.
NEUTRON SPECTROSCOPY AND NEUTRON INTERACTIONS IN
CHEMICAL ANALYSIS, NEUTRON ACTIVATION.
PHYSICAL METHODS IN CHEMICAL ANALYSIS, VOL. III,
EDITOR, W.G. BERL, ACADEMIC PRESS INC., NEW YORK,
N.Y., 539-620 (1956), (ENGLISH), CHEMISTRY DEPT.,
COLUMBIA UNIVERSITY, N.Y.

507 CHOY, T.K. * LUKENS, H.R. * ANDERSEN, G.H.
THE DETERMINATION OF ZIRCONIUM BY NEUTRON
ACTIVATION ANALYSIS USE OF CHEMICALLY SEPARATED
NIOBIUM-97.
TRANS. AM. NUCL. SOC., 7, 332-333 (1964),
(ENGLISH), GENERAL ATOMICS, SAN DIEGO, CALIF.

508 THOMPSON, B.A.
ANALYSIS OF THIN METAL FILMS BY NEUTRON
ACTIVATION.
ANAL. CHEM., 31, 1492-1495 (1959), (ENGLISH),
GENERAL ENGINEERING LABORATORY, GENERAL ELECTRIC
CO., SCHENECTADY, N.Y.

509 THOMPSON, B.A. * STRAUSE, B.M. * LEBOEUF, M.B.
GAMMA SPECTROMETRIC AND RADIOCHEMICAL ANALYSIS FOR IMPURITIES IN ULTRAPURE SILICON.
ANAL. CHEM., 30, 1023-1027 (1958). (ENGLISH). GENERAL ENGINEERING LABORATORY, GENERAL ELECTRIC CO., SCHENECTADY, N.Y.

510 TITTLE, C.W.
SLOW-NEUTRON DETECTION BY FOILS-I.
NUCLEONICS, 8, NO. 6, 5-9 (1951). (ENGLISH). DEPT. OF PHYSICS, NORTH TEXAS STATE COLLEGE, DENTON, TEXAS.

511 NASCUTIU, T.
ANALYSIS OF INORGANIC SUBSTANCES BY RADIOACTIVATION IN PAPER CHROMATOGRAPHY.
ACAD. REP. POPULARE ROMINE, STUDII CERCETARI CHIM., 10, NOS. 1 AND 2, 275-284 (1962). (RUMANIAN). INSTITUTE FOR ATOMIC PHYSICS, BUCHAREST.

512 TOBIAS, C.A. * DUNN, R.W.
ANALYSIS OF MICROCOMPOSITION OF BIOLOGICAL TISSUE BY MEANS OF INDUCED RADIOACTIVITY.
SCIENCE, 109, 109-113 (1949). (ENGLISH). DIVISION OF MEDICAL PHYSICS, RADIATION LAB., AND DEPARTMENT OF PHYSICS, UNIVERSITY OF CALIFORNIA, BERKELEY, CALIF.

513 TOBIAS, C.A. * WOLFE, R. * DUNN, R. * ROSENFELD, I.
THE ABUNDANCE AND RATE OF TURNOVER OF TRACE ELEMENTS IN LABORATORY MICE WITH NEOPLASTIC DISEASE.
UNIO. INTERNATIONALIS CONTRA CANCRUM ACTA, 7, 874-881 (1952). (ENGLISH) (GERMAN, SPANISH, FRENCH AND ITALIAN SUMMARIES). DIVISION OF MEDICAL PHYSICS, DEPARTMENT OF PHYSICS, UNIVERSITY OF CALIFORNIA, BERKELEY, CALIF.

514 DAVIES, W.H. * COLEMAN, R.F.
THE DETERMINATION OF TRACES OF URANIUM BY DELAYED NEUTRON EMISSION.
AWRE REPORT NO. O-88/64, 11P., NOVEMBER 1964. (ENGLISH). UNITED KINGDOM ATOMIC ENERGY AUTHORITY, WEAPONS GROUP, ATOMIC WEAPONS RESEARCH ESTABLISHMENT, ALDERMASTON, BERKS, ENGLAND.

515 TORDAI, L.
RADIOACTIVE TRACERS IN RESEARCH AND INDUSTRY, 3. RADIOCHEMICAL METHODS IN INORGANIC ANALYSIS. MFG. CHEMIST, 20, 481-486 (1949), (ENGLISH), THE LONDONDERRY LABORATORIES FOR RADIOCHEMISTRY, UNIVERSITY OF DURHAM, ENGLAND.

516 KATO, H. * SEINO, H.
A METHOD OF ACTIVATION ANALYSIS FOR COMPETING REACTIONS BY USING REACTOR NEUTRON SPECTRA (ACTIVATION ANALYSIS OF MANGANESE IN IRON). RADIOISOTOPES (TOKYO), 14, 468-474 (NOVEMBER 1965). (JAPANESE) (ENGLISH SUMMARY), TOKYO ATOMIC INDUSTRIAL RESEARCH LABORATORY, LTD., KAWASAKI-CITY, KANAGAWA PREF., JAPAN.

517 TURKEVICH, A. * TOMPKINS, A.
A SEARCH FOR SI-32 IN NATURAL SILICON. PHYS. REV., 90, 247 (1953), (ENGLISH), INSTITUTE FOR NUCLEAR STUDIES, UNIV. OF CHICAGO AND CHEMISTRY DIVISION, ARGONNE NATIONAL LAB., LEMONT, ILLINOIS.

518 TURNER, S.E.
FAST NEUTRON ACTIVATION ANALYSIS - SILICON AND ALUMINUM. ANAL. CHEM., 28, 1457-1459 (1956), (ENGLISH), FIELD RESEARCH LABORATORIES, MAGNOLIA PETROLEUM CO., DALLAS, TEX.

519 VEAL, D.J. * COOK, C.F.
A RAPID METHOD FOR THE DIRECT DETERMINATION OF ELEMENTAL OXYGEN BY ACTIVATION WITH FAST NEUTRONS. ANAL. CHEM., 34, 178-184 (1962), (ENGLISH). PHILLIPS PETROLEUM CO., BARTLESVILLE, OKLA.

520 UNITED STATES ATOMIC ENERGY COMMISSION
ISOTOPE SYSTEMS DEVELOPMENT PROGRAM. CONF-641101, SIXTH ANNUAL CONTRACTORS MEETING, NOV. 9 AND 10, 76P., 1964, (ENGLISH), DIV. OF ISOTOPES DEVELOPMENT, AEC, WASHINGTON, D.C.

521 VINCENT, J.
DISTRIBUTION OF SODIUM IN COMPACT BONE AS REVEALED BY AUTORADIOGRAPHY OF NEUTRON ACTIVATED SECTIONS. NATURE, 184, 1332-1333 (1959), (ENGLISH). DEPARTMENT OF ANATOMY AND HISTOLOGY, LOVANIUM UNIVERSITY, LEOPOLDVILLE, BELGIAN CONGO.

522 VINCENT, E.A. * BILEFIELD, L.I.
CADMIUM IN ROCKS AND MINERALS FROM THE SKAERGAARD INTRUSION, EAST GREENLAND.
GEOCHIM. COSMOCHIM. ACTA, 19, 63-69 (1960).
(ENGLISH). DEPARTMENT OF GEOLOGY AND MINERALOGY, UNIVERSITY MUSEUM, OXFORD, ENGLAND.

523 VINCENT, E.A. * CROCKET, J.H.
STUDIES IN THE GEOCHEMISTRY OF GOLD-II. THE GOLD CONTENT OF SOME BASIC AND ULTRABASIC ROCKS AND STONE METEORITES.
GEOCHIM. COSMOCHIM. ACTA, 18, 143-148 (1960).
(ENGLISH). DEPARTMENT OF GEOLOGY AND MINERALOGY, UNIVERSITY MUSEUM, OXFORD, ENGLAND.

524 VINCENT, E.A. * CROCKET, J.H.
STUDIES IN THE GEOCHEMISTRY OF GOLD-I. THE DISTRIBUTION OF GOLD IN ROCKS AND MINERALS OF THE SKAERGAARD INTRUSION, EAST GREENLAND.
GEOCHIM. COSMOCHIM. ACTA, 18, 130-142 (1960).
(ENGLISH). DEPARTMENT OF GEOLOGY AND MINERALOGY, UNIVERSITY MUSEUM, OXFORD, ENGLAND.

525 VINCENT, E.A. * SMALES, A.A.
THE DETERMINATION OF PALLADIUM AND GOLD IN IGNEOUS ROCKS BY RADIOACTIVATION ANALYSIS.
GEOCHIM. COSMOCHIM. ACTA, 9, 154-160 (1956).
(ENGLISH). DEPARTMENT OF GEOLOGY AND MINERALOGY, UNIVERSITY OF OXFORD, ENGLAND.

526 WAGER, L.R. * SMIT, J. VAN R. * IRVING, H.
INDIUM CONTENT OF ROCKS AND MINERALS FROM THE SKAERGAARD INTRUSION, EAST GREENLAND.
GEOCHIM. COSMOCHIM. ACTA, 13, 81-86 (1958).
(ENGLISH). UNIVERSITY OF OXFORD.

527 WATSON, B.T.
COMPUTERS IN ACTIVATION ANALYSIS.
J. NUCL. MED., 4, 306-311 (1963). (ENGLISH).
VETERANS ADMIN. HOSP., OMAHA, NEBRASKA.

528 WANKE, H.
SCANDIUM-45 AS A REACTION PRODUCT OF COSMIC RAYS IN IRON METEORITES, I.
Z. NATURFORSCH., 13A, 645-649 (1958). (GERMAN).
AUS DEM MAX-PLANCK INSTITUT FUR CHEMIE, MAINZ, GERMANY.

529 WANKE, H. * KONIG, H.
A NEW METHOD OF POTASSIUM-ARGON AGE DETERMINATION AND ITS APPLICATION TO A STONY METEORITE.
Z. NATURFORSCH., 14A, 860-866 (1959). (GERMAN).
AUX DEM MAX-PLANCK INSTITUT FUR CHEMIE (OTTO-HAHN INSTITUT) MAINZ, GERMANY.

530 WANKE, H. * MONSE, E.U.
SCINTILLATION COUNTING OF (N, ALPHA) AND NEUTRON FISSION REACTION AS AN ISOTOPIC ANALYSIS OF LITHIUM, BORON AND URANIUM.
Z. NATURFORSCH., 10A, 667-669 (1955). (GERMAN).
AUS DEM MAX-PLANCK INSTITUT FUR CHEMIE, MAINZ, GERMANY.

531 KE, C.H. * CHENG, H.S.
ACTIVATION ANALYSIS OF TRACE IMPURITIES IN ALUMINUM.
J. CHINESE CHEM. SOC. (TAIWAN), 12, 39-50 (JUNE 1965). (ENGLISH). NATIONAL TSING HUA UNIVERSITY, HSINCHU, TAIWAN.

532 CORLISS, W.R.
NEUTRON ACTIVATION ANALYSIS.
USAEC, DIV. OF TECHNICAL INFORMATION BOOKLET, 27P., UNDATED. (ENGLISH). GENERAL DYNAMICS, SAN DIEGO, CALIF.

533 WESTERMARK, T. * SJOSTRAND, B.
ACTIVATION ANALYSIS OF MERCURY.
INTERN. J. APPL. RAD. AND ISOTOPES, 9, 1-15 (1960). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN SUMMARIES). DIVISION OF PHYSICAL CHEMISTRY, ROYAL INSTITUTE OF TECHNOLOGY, STOCKHOLM, SWEDEN.

534 WESTERMARK, T. * SJOSTRAND, B.
IDENTIFICATION OF GAMMA EMITTERS FORMED BY NEUTRON ACTIVATION INCLUDING TABLES OF RADIONUCLIDES FORMED BY NEUTRON CAPTURE.
INTERN. J. APPL. RAD. AND ISOTOPES, 9, 63-77 (1960). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN SUMMARIES). DIVISION OF PHYSICAL CHEMISTRY, ROYAL INSTITUTE OF TECHNOLOGY, STOCKHOLM, SWEDEN.

535 WESTERMARK, T. * SJOSTRAND, B.
ACTIVATION ANALYSIS OF CADMIUM IN SMALL BIOPSY SAMPLES.
INTERN. J. APPL. RAD. AND ISOTOPES, 9, 78-83 (1960). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN SUMMARIES). DIVISION OF PHYSICAL CHEMISTRY, ROYAL INSTITUTE OF TECHNOLOGY, STOCKHOLM, SWEDEN.

536 WILLARD, J.E.
APPLICATIONS OF RADIOISOTOPES IN CHEMICAL RESEARCH AND ANALYSIS.
INTERNATIONAL CONFERENCE ON THE PEACEFUL USES OF ATOMIC ENERGY, 15, 24-31 (1955), (ENGLISH).
DEPARTMENT OF CHEMISTRY, UNIVERSITY OF WISCONSIN.

537 WILLIAMS, A.I.
THE DETERMINATION OF TIN IN IRON AND ALLOY STEELS.
ANALYST, 84, 433-436 (1959), (ENGLISH), NATIONAL PHYSICAL LABORATORY, TEDDINGTON, MIDDLESEX, ENGLAND.

538 WINCHESTER, J.W. * GOLDSTEIN, M.I.
DETERMINATION OF K IN ROCKS BY NEUTRON ACTIVATION.
MIT PROGRESS REPORT, 29-30 (28 FEB. 1958), (ENGLISH), MASSACHUSETTS INSTITUTE OF TECHNOLOGY.

539 WINTERINGHAM, F.P.W.
ESTIMATION OF BROMIDES BY AN ACTIVATION - EXCHANGE METHOD.
ANALYST, 75, 627-628 (1950), (ENGLISH), DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH, PEST INFESTATION LAB., SLOUGH, BUCKS, ENGLAND.

540 WINTERINGHAM, F.P.W.
RADIOACTIVE TRACING, PART VI, RADIOISOTOPES AS AN ANALYTICAL TOOL.
LAB. PRACTICE, 4, 328-333 (1955), (ENGLISH), PEST INFESTATION LAB., SLOUGH, BUCKS, ENGLAND.

541 WINTERINGHAM, F.P.W.
RADIOCHEMICAL TECHNIQUES IN ANALYSIS.
NATURE, 168, 153-155 (1951), (ENGLISH), PEST INFESTATION LAB., SLOUGH, BUCKS, ENGLAND.

542 BARAK, A.J. * SWANBERG, S.C.
DETERMINATION OF SELENOMETHIONINE IN BIOLOGICAL SOURCES BY CHROMATOGRAPHY AND NEUTRON ACTIVATION ANALYSIS.
J. CHROMATOGRAPHY, 31, NO. 1, 282-284 (1967), (ENGLISH). SPECIAL LABORATORY OF NUCLEAR MEDICINE AND BIOLOGY, VETERANS ADMINISTRATION HOSPITAL, OMAHA, NEBRASKA.

543 WINTERINGHAM, F.P.W. * HARRISON, A. * BRIDGES, R.G.
RADIOACTIVE-TRACER TECHNIQUES IN PAPER CHROMATOGRAPHY.
NUCLEONICS, 10, NO. 3, 52-57 (1952), (ENGLISH), DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH, PEST INFESTATION LABORATORY, SLOUGH, ENGLAND.

544 YAKOVLEV', Y.V. * KULAK, A.I. * RYABUKHIN, V.A. * RYTCHKOV', R.S.
THE DETERMINATION OF TRACE IMPURITIES IN PURE MATERIALS BY RADIOACTIVATION ANALYSIS.
SECOND UNITED NATIONS INTERNATIONAL CONFERENCE ON PEACEFUL USES OF ATOMIC ENERGY, P/2023, 496-505 (1958). (ENGLISH), RUSSIA.

545 ZVYAGINTSEV, O.E. * KULAK, A.I.
DETERMINATION OF GOLD AND PLATINUM METALS IN REFINED SILVER AND CATHODE NICKEL BY MEANS OF THE RADIOACTIVATION METHOD.
J. INORG. CHEM., USSR, 2, NO. 7, 376-384 (1957). (ENGLISH TRANSLATION), RUSSIA.

546 CUYPERS, M. * MENON, M.P.
DETERMINATION OF CERIUM AND PRASEODYMIUM IN ORES AND MINERALS USING 14.5 MEV NEUTRON ACTIVATION ANALYSIS.
TRANS. AM. NUCL. SOC., 7, 330-331 (1964). (ENGLISH), USA.

548 AMIRUDDIN, A.
TUNGSTEN ABUNDANCES IN TERRESTRIAL AND EXTRA-TERRESTRIAL MATERIALS BY NEUTRON ACTIVATION ANALYSIS.
DISSERTATION. PHD THESIS, 145P., 1961, (ENGLISH). UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY.

549 ANDERS, O.U.
USE OF VERY-SHORT-LIVED ISOTOPES IN ACTIVATION ANALYSIS.
ANAL. CHEM., 33, 1706-1709 (1961). (ENGLISH) RADIOCHEMISTRY LABORATORY, THE DOW CHEMICAL CO., MIDLAND, MICH.

550 FRITZE, K. * ASPIN, N. * HOLMES, T.H.
ROUTINE DETERMINATION OF COPPER IN BIOLOGICAL MATERIALS BY NEUTRON ACTIVATION.
RADIOCHIM. ACTA, 3, NO. 4, 204-206 (1964). (ENGLISH) (GERMAN AND FRENCH SUMMARIES). DEPARTMENT OF MEDICAL BIOPHYSICS, UNIVERSITY OF TORONTO, ONTARIO, CANADA.

551 ATOMES
THE ATOMIC PILE - AID TO JUSTICE.
ATOMES, 8, 75-80 (1953), (FRENCH). FRANCE.

552 BOUTEN, P, * HOSTE, J,
ACTIVATION ANALYSIS OF MANGANESE IN CAST IRON AND
HIGH-ALLOY STEELS,
TALANTA, 8, 322-329 (1961), (ENGLISH) (GERMAN AND
FRENCH SUMMARIES), INSTITUTE FOR ANALYTICAL
CHEMISTRY, GHENT UNIVERSITY, BELGIUM,

553 BOWEN, H.J.M, * CAWSE, P.A,
DETERMINATION OF SODIUM, POTASSIUM AND PHOSPHORUS
IN BIOLOGICAL MATERIAL BY RADIOACTIVATION,
ANALYST, 86, 506-512 (1961), (ENGLISH), UKAEA,
WANTAGE RESEARCH LABORATORY, WANTAGE, BERKS,
ENGLAND,

554 BROWNELL, G.M,
A BERYLLIUM DETECTOR FOR FIELD EXPLORATION,
ECONOMIC GEOLOGY, 54, 1103-1114 (1959), (ENGLISH),
DEPARTMENT OF GEOLOGY, UNIVERSITY OF MANITOBA,
WINNIPEG, CANADA,

555 BROWNELL, G.M, * BRAMADAT, K, * KNUTSON, R.A, *
TURNOCK, A.C.
INDUCED RADIATION ANALYSIS FOR SILICON, ALUMINUM
AND SODIUM IN IGNEOUS ROCKS,
TRANS, ROYAL SOC, OF CANADA, 51, 19-31 (1957),
(ENGLISH), CANADA,

556 BURRILL, E.A,
NEUTRON ACTIVATION ANALYSIS DATA,
TSI-600, 24P, (1960), (ENGLISH), HIGH VOLTAGE ENG,
CORP,, BURLINGTON, MASS,

557 BURRILL, E.A, * HIRSCHFIELD, J,
ACTIVATION ANALYSIS FOR MATERIALS TESTING AND
RESEARCH,
HIGH VOLTAGE ENG, CORP, REPORT, 9P, (1961),
(ENGLISH), HIGH VOLTAGE ENG, CORP,, BURLINGTON,
MASS,

558 BUSSIERE, P,
RADIOACTIVATION ANALYSIS,
CHIMIE MODERNE, 6, 207-217 (1961), (FRENCH),
INSTITUT DE RECHERCHES SUR LA CATALYSE DU CNRS,
VILLEURBANNE, FRANCE,

559 CHEMICAL AND ENGINEERING NEWS
CARBIDE OFFERS ANALYSIS SERVICE USING NEUTRONS,
CHEM, AND ENG, NEWS, 30, 3306 (1952), (ENGLISH),
USA,

560 WIDELL, M, * WESTERMARK, T,
DETERMINATION OF COPPER IN SUBMICROGRAM QUANTITIES BY NEUTRON ACTIVATION ANALYSIS.
ATOMPRAXIS, 7, 201-206 (1961), (ENGLISH), ROYAL INST. OF TECH., STOCKHOLM, SWEDEN.

561 EMELEUS, V.M. * SIMPSON, G,
NEUTRON ACTIVATION ANALYSIS OF ANCIENT ROMAN POTSHERDS.
NATURE, 185, 196 (1960), (ENGLISH), RESEARCH LABORATORY FOR ARCHAEOLOGY AND THE HISTORY OF ART, OXFORD.

562 FINEMAN, I. * LJUNGGREN, K, * FORSBERG, H,G, * ERWALL, L,G.
ACTIVATION ANALYSIS FOR SELENIUM IN ORE CONCENTRATES, SLAGS AND WASTE GASES OBTAINED IN A METALLURGICAL INDUSTRY.
INTERN. J. APPL. RAD. AND ISOTOPES, 5, 280-288 (1959). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN SUMMARIES). DIVISION OF PHYSICAL CHEMISTRY, ROYAL INSTITUTE OF TECHNOLOGY, STOCKHOLM, SWEDEN.

563 FIREMAN, E.L.
DISTRIBUTION OF HELIUM-3 IN THE CARBO METEORITE.
NATURE, 181, 1725 (1958), (ENGLISH), SMITHSONIAN ASTROPHYSICAL OBSERVATORY, CAMBRIDGE, MASS.

564 FISHER, C, * BEYDON, J,
DETERMINATION OF MANGANESE, SODIUM AND URANIUM BY INDUCED RADIOACTIVITY,
BULL. SOC. CHIM. FRANCE, C102-103 (1953), (FRENCH). COMMISSARIAT A L ENERGIEATOMIQUE, FRANCE.

565 FORSHUFVUD, S, * SMITH, H, * WASSEN, A,
ARSENIC CONTENT OF NAPOLEON I S HAIR PROBABLY TAKEN IMMEDIATELY AFTER HIS DEATH.
NATURE, 192, 103-105 (1961), (ENGLISH), VASAGATAN 33, GOTEBORG C, SWEDEN.

566 GENERAL ATOMICS
ACTIVATION ANALYSIS SERVICE,
MISCELLANEOUS BULLETINS, UNDATED, (ENGLISH), GENERAL DYNAMICS CORP., SAN DIEGO, CALIF.

567 GRAY, F.B.
USE OF A PORTABLE NEUTRON GENERATOR IN INDUSTRIAL ANALYSES.
KAMAN NUCLEAR CO., TECHNICAL REPORT, 9-18 (1960), (ENGLISH), KAMAN NUCLEAR CO., COLORADO SPRINGS, COLORADO.

568 GUINN, V.P.
NEUTRON ACTIVATION ANALYSIS,
INTERN. SCI. AND TECHNOLOGY, 6P, (AUG. 1961), (ENGLISH), SHELL DEVELOPMENT CO., EMERYVILLE, CALIF.

569 GUINN, V.P.
INSTRUMENTAL NEUTRON ACTIVATION FOR RAPID, ECONOMICAL ANALYSIS,
NUCLEONICS, 19, NO.8, 81-84 (1961), (ENGLISH), SHELL DEVELOPMENT CO., EMERYVILLE, CALIF.

570 KELLERSHOHN, C. * COMAR, D. * LE POEC, C.
DETERMINATION OF THE MERCURY CONTENT OF HUMAN BLOOD BY ACTIVATION ANALYSIS,
J. LAB. CLIN. MED., 66, 168-176 (JULY 1965), (ENGLISH), ORSAY, FRANCE.

571 HAMAGUCHI, H. * KURODA, R. * HOSOHARA, K.
NEUTRON ACTIVATION ANALYSIS OF MERCURY, COPPER AND ARSENIC IN MARINE ORGANISMS,
J. ATOMIC ENERGY SOC. JAPAN, 2, 317-320 (1960), (JAPANESE) (ENGLISH SUMMARY), JAPAN.

572 HAMAGUCHI, H. * TOMURA, K. * WATANABE, K. * YASUNAGA, T. * KURODA, R. * OSAWA, M. * ONUMA, N. * HOSOHARA, K. * ENDO, T.
VALUES FOR TRACE ELEMENTS IN G-1 AND W-1 WITH NEUTRON ACTIVATION ANALYSIS,
GEOCHIM. COSMOCHIM. ACTA, 23, 296-299 (1961), (ENGLISH), DEPARTMENT OF CHEMISTRY, FACULTY OF SCIENCE, TOKYO UNIVERSITY OF EDUCATION, KOISHIKAWA, TOKYO JAPAN.

573 FINEMAN, I. * LJUNGGREN, K. * ERWALL, L.G. * WESTERMARK, T.
SCINTILLATION SPECTROMETRY APPLIED TO ACTIVATION ANALYSIS WITH REGARD TO COPPER AND MANGANESE,
SVENSK PAPPERSTIDNING, 60, NO. 4, 132-134 (1957), (ENGLISH) (SWEDISH AND GERMAN SUMMARIES), DIVISION OF PHYSICAL CHEMISTRY, ROYAL INSTITUTE OF TECHNOLOGY, STOCKHOLM, SWEDEN.

574 FITE, L.E. * GIBBONS, D. * WAINERDI, R.E.
COMPUTER COUPLED AUTOMATIC ACTIVATION ANALYSIS.
TEES-2671-1, CATEGORY NO. UC-23, 100P., MAY 1961.
(ENGLISH). TEXAS ENGINEERING EXPERIMENT STATION, A
AND M COLLEGE OF TEXAS, COLLEGE STATION, TEXAS.

575 HAMAGUCHI, H. * KURODA, R. * SHIMIZU, T. *
SUGISHITA, R. * TSUKAHARA, I. * YAMAMOTO, R.
NEUTRON ACTIVATION ANALYSIS OF MOLYBDENUM, TIN,
TANTALUM AND TUNGSTEN IN SILICATES.
J. ATOMIC ENERGY SOC. JAPAN, 3, 800-805 (1961).
(JAPANESE) (ENGLISH SUMMARY). JAPAN.

576 GENERAL DYNAMICS
ACTIVATION ANALYSIS SERVICE, SHORT COURSES.
GENERAL DYNAMICS LTR. OF FEBRUARY 15, 1965.
(ENGLISH). GENERAL DYNAMICS, SAN DIEGO,
CALIFORNIA.

577 GENERAL DYNAMICS
ACTIVATION ANALYSIS SERVICE. DETECT COUNTERFEITING
OF PROPRIETARY GOODS.
GENERAL DYNAMICS PRESS RELEASE, UNDATED.
(ENGLISH). GENERAL DYNAMICS, P.O. BOX 608, SAN
DIEGO, CALIF.

578 ENGELMANN, C.
ON THE UTILIZATION OF PARTICLES FOR THE
DETERMINATION OF OXYGEN AND CARBON.
COMPT. REND., 258, 4279-4281 (1964). (FRENCH).
FRANCE.

579 BIGLIOCCA, C. * GIRARDI, F. * PAULY, J.
APPLICATION OF ELECTROCHEMICAL METHODS TO NEUTRON
ACTIVATION ANALYSIS.
EUR-2165.I. 15P., FEBRUARY 1965. (ITALIAN)
(ENGLISH SUMMARY). CENTRO COMUNE DI RICERCA
NUCLEARE STABILIMENTO DI ISPRA, ITALY.

580 CALDWELL, R.L.
ACTIVATION ANALYSIS IN PETROLEUM EXPLORATION
RESEARCH.
HIGH VOLTAGE ENG. CORP., ACCELERATOR CONFERENCE.
C-1-C-14. OCTOBER 1958. (ENGLISH). MAGNOLIA
PETROLEUM CO., FIELD RESEARCH LABORATORY, DALLAS,
TEXAS.

581 HOSTE, J. * BOUTEN, F, * ADAMS, F,
MINOR-CONSTITUENT ANALYSIS WITH NEUTRON
ACTIVATION.
NUCLEONICS. 19, NO, 3, 118-123 (1961), (ENGLISH),
GHENT UNIVERSITY, GHENT, BELGIUM,

582 ISOTOPICS
NEUTRON ACTIVATION ANALYSIS,
ISOTOPICS, 2, NO, 2, 4-5 (1952), 3, NO. 1, 1
(1953). (ENGLISH), USA.

583 JAMES, J.A.
DETERMINATION OF TRACE ELEMENTS IN SEMI-CONDUCTING
MATERIALS USING RADIOCHEMICAL AND MASS
SPECTROMETRIC METHODS.
PROC. INTERNATIONAL SYMPOSIUM MICROCHEM.,
BIRMINGHAM 1958, PERGAMON, LONDON, 319-324 (1960),
(ENGLISH). RESEARCH LABORATORY, THE BRITISH
THOMSON HOUSTON CO. LTD., RUGBY, ENGLAND.

584 JERVIS. R.E.
NEUTRON ACTIVATION ANALYSIS,
CHEMISTRY IN CANADA, 27-31 (MARCH 1956),
(ENGLISH). DEVELOPMENT CHEMISTRY BRANCH, ATOMIC
ENERGY OF CANADA LIMITED, CHALK RIVER, CANADA,

585 KAWASHIMA, T. * OSAWA, M. * MOCHIZUKI, Y, *
HAMAGUCHI, H.
DETERMINATION OF LANTHANUM, SAMARIUM AND EUROPIUM
IN MANGANESE NODULES BY NEUTRON ACTIVATION.
BULL. CHEM. SOC. JAPAN, 34, 701-705 (1961).
(ENGLISH). DEPARTMENT OF CHEMISTRY, TOKYO
UNIVERSITY OF EDUCATION, KOISHIKAWA, TOKYO, JAPAN,

586 RONA, E, * HOOD, D.W. * MUSE, L, * BUGLIO, B.
ACTIVATION ANALYSIS OF MANGANESE AND ZINC IN SEA
WATER.
LIMNOLOGY AND OCEANOGRAPHY, 7, 201-206 (1962),
(ENGLISH). OAK RIDGE INSTITUTE OF NUCLEAR STUDIES,
OAK RIDGE, TENN,

587 KEMP, D.M, * SMALES, A.A.
THE DETERMINATION OF SCANDIUM IN ROCKS AND
METEORITES BY NEUTRON-ACTIVATION ANALYSIS,
AERE-R 3236, 10P, (1960), (ENGLISH), CHEMISTRY
DIVISION, AERE, HARWELL, BERKSHIRE, ENGLAND,

588 KOCH, R.C, * ROESMER, J,
APPLICATION OF ACTIVATION ANALYSIS TO THE DETERMINATION OF TRACE ELEMENT CONCENTRATIONS IN MEAT,
TECHNICAL REPORT NSEC-56, DECEMBER 1961,
(ENGLISH), NUCLEAR SCIENCE AND ENGINEERING CORP.,
PITTSBURGH, PENNSYLVANIA,

589 KUSAKA, Y,
ACTIVATION ANALYSIS OF SILVER USING RADIUM PLUS BERYLLIUM NEUTRON SOURCE,
BUNSEKI KAGAKU, 8, 111-115 (1959), (JAPANESE)
(ENGLISH SUMMARY), DEPARTMENT OF CHEMISTRY,
FACULTY OF SCIENCE, KONAN UNIVERSITY, JAPAN,

590 KUYKENDALL, W,E, * WAINERDI, R,E,
COMPUTER TECHNIQUES FOR RADIOACTIVATION ANALYSIS, ANNUAL REPORT MAY 1, 1960,
TEES-2565-1, CATEGORY NO, UC-23, MAY 1960,
(ENGLISH), TEXAS ENGINEERING EXPERIMENT STATION,
TEXAS A AND M COLLEGE SYSTEM, COLLEGE STATION,
TEXAS,

591 LBOV, A,A, * NAUMOVA, I,I,
RADIOACTIVATION ANALYSIS USING 14-MEV NEUTRONS,
ATOMIC ENERGY, USSR, 6, NO, 4, 330-331 (1959),
(ENGLISH TRANSLATION), RUSSIA,

592 FLEISHMAN, D,M, * GUINN, V,P,
THE DETERMINATION OF TRACE LEVELS OF SELENIUM IN BIOLOGICAL SAMPLES BY NEUTRON ACTIVATION ANALYSIS INCLUDING MINIMIZATION OF INTERFERENCES WITH 17,5-SECOND SELENIUM-77M,
TRANS, AM, NUCL, SOC,, 7, 327-328 (1964),
(ENGLISH), GENERAL ATOMICS, SAN DIEGO, CALIF,

593 LENIHAN, J,M,A,
PLATO OR PARACELSUS THE PHYSICIST S DILEMMA,
BULL, INST, PHYS, AND PHYS, SOC,, 285-288 (OCT, 1961), (ENGLISH), REGIONAL PHYSICIST, WESTERN REGIONAL HOSPITAL BOARD, GLASGOW, SCOTLAND,

594 LJUNGGREN, K,
THE USE OF A FAST-SLOW THREE-CHANNEL COINCIDENCE SPECTROMETER FOR THE DETERMINATION OF POSITRON AND GAMMA-RAY CASCADE-EMITTING NUCLIDES IN ACTIVATION ANALYSIS, WITH EXAMPLES,
PREPRINT, IAEA SYMPOSIUM ON RADIOACTIVATION ANALYSIS, VIENNA, 6P,, 1959, (ENGLISH), ROYAL INSTITUTE OF TECHNOLOGY, STOCKHOLM, SWEDEN,

595 LOVERIDGE, B.A. * WEBSTER, R.K. * MORGAN, J.W. * THOMAS, A.M. * SMALES, A.A.
THE DETERMINATION OF STRONTIUM IN ROCKS AND BIOLOGICAL MATERIALS.
ANAL. CHIM. ACTA, 23, 154-171 (1960), (ENGLISH) (FRENCH AND GERMAN SUMMARIES), AERE, HARWELL, ENGLAND.

596 MC CRARY, J.H. * MORGAN, I.L. * BAGGERLY, L.L.
NEUTRON ACTIVATION ANALYSIS OF OXYGEN IN BERYLLIUM.
PROCEEDINGS 1961 INTERNATIONAL CONFERENCE ON MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 24-27, DECEMBER 1961, (ENGLISH). TEXAS NUCLEAR CORP., AUSTIN, TEXAS.

597 MAPPER, D.
NEUTRON ACTIVATION ANALYSIS AS AN ANALYTICAL TOOL.
CHIMIA, 14, 241-248 (1960), (ENGLISH) (GERMAN SUMMARY). ANALYTICAL CHEMISTRY BRANCH, AERE, HARWELL, ENGLAND.

598 GENERAL DYNAMICS
VANADIUM DETERMINATIONS.
GENERAL DYNAMICS PRESS RELEASE, UNDATED, (ENGLISH). GENERAL DYNAMICS, SAN DIEGO, CALIFORNIA.

599 LUKENS, H.R.
NEUTRON ACTIVATION ANALYSIS.
J. CHEM. EDUC., 44, NO. 11, 668-672 (1967). (ENGLISH). GENERAL DYNEMICS, GENERAL ATOMIC DIVISION, SAN DIEGO, CALIF.

600 MORRIS, D.F.C. * FIFIELD, F.W.
RHENIUM CONTENTS OF ROCKS.
GEOCHIM. COSMOCHIM. ACTA, 25, 232-233 (1961). (ENGLISH). DEPARTMENT OF CHEMISTRY, BRUNEL COLLEGE OF TECHNOLOGY, LONDON, W.3, ENGLAND.

601 MORRIS, D.F.C. * KILLICK, R.A.
THE DETERMINATION OF TRACES OF GOLD IN SAMPLES OF PLATINUM BY NEUTRON-ACTIVATION ANALYSIS.
TALANTA, 8, 793-797 (1961), (ENGLISH) (GERMAN AND FRENCH SUMMARY), DEPARTMENT OF CHEMISTRY, BRUNEL COLLEGE OF TECHNOLOGY, LONDON, W.3, ENGLAND.

602 NOZAKI, T, * KAWASHIMA, T, * BABA, H, * ARAKI, H,
NEUTRON ACTIVATION ANALYSIS OF HALOGENS IN
HIGH-PURITY SILICON,
BULL. CHEM. SOC, JAPAN, 33, 1428-1430 (1960),
(ENGLISH), THE ELECTRICAL COMMUNICATION
LABORATORY, MUSASHINO, TOKYO, JAPAN,

603 OKADA, M,
SIMPLE ESTIMATION OF RADIOACTIVITY DUE TO NEUTRON
IRRADIATION,
J, CHEM, SOC, JAPAN, PURE CHEM, SOC,, 80, NO, 1,
1-4 (1959), (JAPANESE), TOKYO INDUSTRIAL
RESEARCH INSTITUTE, TOKYO, JAPAN,

604 OKADA, M, * KAMEMOTO, Y, * SHIBA, K, * HANDA, M,
SIMULTANEOUS DETERMINATION OF SCANDIUM AND
DISPROSIUM,
NIPPON KAGAKU ZASSHI, 82, 845-847 (1961),
(JAPANESE) (ENGLISH SUMMARY), GOVERNMENT CHEMICAL
INDUSTRIAL RESEARCH INSTITUTE, TOKYO SHIBUYAKU,
TOKYO, JAPAN,

605 NAKAI, T, * OKADA, M,
MICRO DETERMINATION OF ALUMINUM IN POLYETHYLENE BY
NEUTRON ACTIVATION FOLLOWED BY GAMMA-RAY
SPECTROMETRY,
ISOTOPES AND RADIATION, VOL, 4, NO, 1, 66-67
(1961), (ENGLISH), JAPAN ATOMIC ENERGY RESEARCH
INSTITUTE, TOKAI-MURA, NAKA-GUN, IBARAKI, JAPAN,

606 NAKAI, T, * YAJIMA, S, * FUJII, I, * OKADA, M,
ACTIVATION ANALYSIS OF IMPURITIES IN SILICON FOR
SEMICONDUCTOR MATERIAL,
JAPAN ANALYST, 8, 367-372 (1959), (JAPANESE)
(ENGLISH SUMMARY), JAPAN ATOMIC ENERGY RESEARCH
INSTITUTE, TOKYO, JAPAN,

607 NAKAI, T, * YAJIMA, S, * OKADA, M, * SHIBA, K, *
MOKI, T,
ACTIVATION ANALYSIS BY SHORT-LIVED NUCLIDE, II,
SIMULTANEOUS DETERMINATION OF VANADIUM AND
ALUMINUM IN GRAPHITE, III, DETERMINATION OF
SELENIUM BY SE-77 M,
NIPPON KAGAKU ZASSHI, 81, 104-109 (1960),
(JAPANESE) (ENGLISH SUMMARY), JAPAN ATOMIC ENERGY
RESEARCH INSTITUTE, NAKA-GUN, IBARAKI, JAPAN,

608 NAKAI, T. * YAJIMA, S, * OKADA, M, * KAMEMOTO, Y, * SHIBA, K,
ACTIVATION ANALYSIS BY SHORT-LIVED NUCLIDES, IV, DETERMINATION OF SILVER BY SILVER-110,
NIPPON KAGAKU ZASSHI, 81, 1422-1424 (1960),
(JAPANESE) (ENGLISH SUMMARY), JAPAN ATOMIC ENERGY RESEARCH INSTITUTE, TOKAI-MURA, NAKA-GUN, IBARAKI, JAPAN,

609 GILAT, J. * GURFINKEL, Y,
SELF-SHIELDING IN ACTIVATION ANALYSIS,
NUCLEONICS, 21, NO, 8, 143-144 (1963), (ENGLISH),
ISREAL ATOMIC ENERGY COMMISSION, REHOVOTH, ISRAEL,

610 OVERMAN, R.T. * CLARK, H.M,
ANALYSIS BY RADIOACTIVATION, EXPERIMENT 10-4,
RADIOISOTOPE TECHNIQUES, MCGRAW HILL, NEW YORK,
426-428, 1960, (ENGLISH), USA,

611 GENERAL DYNAMICS/GENERAL ATOMIC DIVISION
TYPICAL APPLICATIONS OF ACTIVATION ANALYSIS,
GENERAL ATOMICS BULLETINS, UNDATED, (ENGLISH),
GENERAL DYNAMICS, SAN DIEGO, CALIF,

612 TATAR, J. * BERESS, M,
NEUTRON-ACTIVATION ANALYSIS OF BAUXITES AND COALS WITH PORTABLE NEUTRON-SOURCES,
NUCLEAR GEOPHYSICS, VOL, II, 459-481 (1963),
(ENGLISH) (HUNGARIAN AND RUSSIAN SUMMARIES),
ROLAND EOTVOS STATE GEOPHYSICAL INSTITUTE,
BUDAPEST, HUNGARY,

613 SCHMITT, R.A.
NEUTRON-ACTIVATION RESEARCH,
GA-2433, 35P., AUGUST 1, 1961, (ENGLISH), GENERAL ATOMIC DIVISION OF GENERAL DYNAMICS, SAN DIEGO, CALIF,

614 SCHUTZ, D.F. * TUREKIAN, K.K,
THE INVESTIGATION OF THE GEOGRAPHICAL AND VERTICAL DISTRIBUTION OF SEVERAL TRACE ELEMENTS IN SEA WATER USING NEUTRON ACTIVATION ANALYSIS,
GEOCHIM, COSMOCHIM, ACTA, 29, 259-313 (1965),
(ENGLISH), DEPARTMENT OF GEOLOGY, YALE UNIVERSITY, NEW HAVEN, CONN,

615 SMALES, A.A. * FERRETT, D.J.
THE USE OF RADIOACTIVE AND STABLE ISOTOPES IN INDUSTRIAL ANALYTICAL PROBLEMS.
PROCEEDINGS OF THE CONGRESS ON MODERN ANALYTICAL CHEMISTRY IN INDUSTRY, ST. ANDREWS, JUNE 24-28, 1957. W. HEFFER AND SONS LTD., CAMBRIDGE, ENGLAND, 181-185 (1957). (ENGLISH). ANALYTICAL CHEMISTRY GROUP, AERE, HARWELL, DIDCOT, BERKS, ENGLAND.

616 SMALES, A.A. * WISEMAN, J.D.H.
ORIGIN OF NICKEL IN DEEP-SEA SEDIMENTS.
NATURE, 175, 464-465 (1955). (ENGLISH). AERE, HARWELL, BERKS, ENGLAND.

617 HUDGENS, J.E., JR.
ANALYTICAL APPLICATIONS OF RADIOCHEMICAL TECHNIQUES.
ANAL. CHEM., 24, 1704-1708 (1952). (ENGLISH). USAEC, NEW BRUNSWICK, N.J.

618 TEXAS NUCLEAR CORPORATION
TABLE OF CROSS SECTIONS FOR FAST NEUTRON REACTIONS.
TEXAS NUCLEAR REPORT, 1960. (ENGLISH). TEXAS NUCLEAR CORPORATION, AUSTIN, TEXAS.

619 ZUBER, K.
NEUTRON ACTIVATION ANALYSIS OF ROMAN COPPER COINS FROM 250-500 A.D. PART I.
CNAEM-21 (PT.1), 34P., JAN. 1965. (ENGLISH). TURKEY. AEC. CEKMECE NUCL. RES. CTR., ISTANBUL.

620 WESTERMARK, T. * FINEMAN, I.
A RAPID METHOD FOR THE DETERMINATION OF COBALT IN REACTOR STEEL BY ACTIVATION ANALYSIS.
SECOND UNITED NATIONS INTERNATIONAL CONFERENCE ON THE PEACEFUL USES OF ATOMIC ENERGY, 28, P/140, 506-510 (1958). (ENGLISH). DIVISION OF PHYSICAL CHEMISTRY, THE ROYAL INSTITUTE OF TECHNOLOGY, STOCKHOLM, SWEDEN.

621 GORSKI, L. * KUSCH, W. * WOJTKOWSKA, J.
FAST-NEUTRON-ACTIVATION ANALYSIS FOR DETERMINATION OF COPPER CONTENT OF LOWER SILESIAN COPPER DEPOSITS.
TALANTA, 11, 1135-1142 (1964). (ENGLISH) (GERMAN AND FRENCH SUMMARIES). INSTITUTE OF RADIOISOTOPE TECHNIQUES. ACADEMY OF MINING AND METALLURGY, CRACOW, POLAND.

622 GREEN, D.E. * HESLOP, J.A.B. * WHITLEY, J.E.
THE DETERMINATION OF SILICON, ZINC AND MAGNESIUM IN GALLIUM ARSENIDE BY NEUTRON-ACTIVATION ANALYSIS.
ANALYST, 88, 522-528 (1963), (ENGLISH), AEI, RESEARCH LABORATORY, ALDERMASTON COURT, BERKS, ENGLAND.

623 WINCHESTER, J.W.
A PROGRESS REPORT ON THE USE OF 15 MEV DEUTERONS FOR THE DETERMINATION OF CARBON, OXYGEN, AND SILICON IN SOLID MATERIALS BY RADIOACTIVATION ANALYSIS.
NP-9482, 27P., OCTOBER 26, 1960, (ENGLISH). MASS. INST. OF TECH., CAMBRIDGE.

624 GADDA, F.
A BIBLIOGRAPHIC SEARCH ON RADIOACTIVATION ANALYSIS.
CENTRO INFORMAZIONI STUDI ESPERIENZE, MILAN REPORT NO. 83. 72P., JANUARY 1961, (ENGLISH), LABORATORY OF RADIOCHEMISTRY, C.I.S.E. MILAN, ITALY.

625 BATE, L.C.
THE USE OF ACTIVATION ANALYSIS IN PROCEDURES FOR THE REMOVAL AND CHARACTERIZATION OF THE SURFACE CONTAMINANTS OF HAIR.
J. FORENSIC SCI., 10, 60-72 (JAN. 1965). (ENGLISH). OAK RIDGE TENNESSEE

626 GIBBONS, D. * MAPPER, D. * MILLETT, R.J. * SIMPSON, H.
RADIOACTIVATION ANALYSIS - A BIBLIOGRAPHY, FIRST SUPPLEMENT.
AERE I/R 2208 (SUPPLEMENT 1), 34P., 1960. (ENGLISH). AERE, HARWELL, BERKSHIRE, ENGLAND.

627 BOCK-WERTHMANN, W. * SCHULZE, W.
ACTIVATION ANALYSIS (BIBLIOGRAPHY).
AED-C-14-1. 272P., DECEMBER 1961, (GERMAN). HAHN-MEITNER INSTITUT FUR KERNFORSCHUNG BERLIN, BERLIN-WANNSEE, GLIENICKER STRASSE, GERMANY.

628 KUSAKA, Y. * TSUJI, H.
DETERMINATION OF SILICON IN IRON AND STEEL BY NONDESTRUCTIVE ACTIVATION ANALYSIS WITH 14 MEV NEUTRONS.
NIPPON KAGAKU ZASSHI, 86, 733-736 (JULY 1965), (JAPANESE) (ENGLISH SUMMARY), KONAN UNIVERSITY, DEPARTMENT OF CHEMISTRY, HIGASHINADA-KU, KOBE-SHI, JAPAN.

629 VEAL, D.J,
OXYGEN YIELDS TO ACTIVATION ANALYSIS,
CHEM. AND ENG. NEWS, 11, 58-59 (1960), (ENGLISH),
PHILLIPS PETROLEUM, BARTLESVILLE, OKLA.

630 JULIANO, J.O,
RADIOISOTOPE PRODUCTION AND ACTIVATION ANALYSIS
PROGRAMS OF THE PHILIPPINE ATOMIC RESEARCH CENTER
IAEA STUDY GROUP MEETING ON UTILIZATION OF
RESEARCH REACTORS, MANILA, DECEMBER 1963,
(ENGLISH), PHILIPPINE ATOMIC RESEARCH CENTER,
MANILA,

631 KAMINISHI, T, * KOJIMA, C,
PRODUCTION OF NUCLEAR ISOMERS FROM STABLE NUCLIDES
WITH BREMSSTRAHLUNG,
JAPAN J, APPL, PHYSICS, 2, 399-405 (1963),
(ENGLISH), GOVERNMENT INDUSTRIAL RESEARCH
INSTITUTE, NAGOYA, JAPAN,

632 JOHNSTON, W.H,
THE DEVELOPMENT OF PRINCIPLES AND METHODS OF HIGH
DILUTION ON-STREAM ISOTOPIC TRACERS (IN SITU
TRACER PROJECT),
JLI-650-6-3, 107-116, MAY 1960, (ENGLISH), WILLIAM
H, JOHNSTON LABORATORIES, INC., BALTIMORE,
MARYLAND.

633 BUJDOSO, E. * TOTH, L,
ACTIVATION ANALYSIS, BIBLIOGRAPHY,
A MTA KOZPONTI FIZIKAI KUTATO INTEZETE, 3, 81P.,
MARCH 1961. (HUNGARIAN), FEMIPARI KUTATO
INTEZET, BUDAPEST, HUNGARY,

634 GREENDALE, A.E. * LOVE, D.L. * DELUCCHI, A.A.
A RAPID IODINE RADIOCHEMICAL PROCEDURE,
TRANS, AM, NUCL, SOC., 7, 334-335 (1964),
(ENGLISH), US- NRDL,

635 ANDERS, O.U, * BEAMER, W.H,
NEUTRON ACTIVATION ANALYSIS WITH THE VAN DE GRAAFF
ACCELERATOR AND GAMMA RAY SPECTROMETRY,
PREPRINT, 6P., UNDATED, (ENGLISH), DOW CHEMICAL
CO., MIDLAND, MICH,

636 KIM, C.K. * SILVERMAN, J.
DETERMINATION OF MERCURY IN WHEAT AND TOBACCO LEAF BY NEUTRON ACTIVATION USING MERCURY-197 AND A SIMPLE EXCHANGE SEPARATION.
ANAL. CHEM., 37, NO. 12, 1616-1617 (NOVEMBER 1965). (ENGLISH). DEPARTMENT OF CHEMICAL ENGINEERING, UNIVERSITY OF MARYLAND, COLLEGE PARK, MARYLAND.

637 LAVERLOCHERE, J.
ACTIVATION ANALYSIS OF IMPURITIES IN BE.
COMMISSARIAT A L ENERGIE ATOMIQUE, CEN SACLAY LETTER SRMPC/3041 LD OF 29 APRIL 1964, (ENGLISH). CENTRE D ETUDES NUCLEAIRES DE SACLAY, FRANCE.

638 LENIHAN, J.M.A.
ACTIVATION ANALYSIS IN MEDICINE AND BIOCHEMISTRY
NATURE 200, 637-39 (1963), (ENGLISH). REGIONAL PHYSICS DEPT., WESTERN REGIONAL HOSPITAL BOARD, GLASGOW, SCOTLAND.

639 GODAR, S.
STUDY OF ACCELERATOR PARTICLES, TRANSPORTABLE TYPE, USED AS SOURCES OF NEUTRONS. I. INTRODUCTION. II. APPLICATIONS TO THE QUALITATIVE AND QUANTITATIVE ANALYSIS.
CEA NO. 345, 70P., 1962, (FRENCH). STAGIAIRE, EURATOM, FRANCE.

640 MULLINS, W.T. * EMERY, J.F. * BATE, L.C. * LEDDICOTTE, G.W.
THE DETERMINATION OF MINOR ELEMENTS IN ULTRAPURE BERYLLIUM AND ITS COMPOUNDS BY NEUTRON RADIOACTIVATION ANALYSIS.
TID-7629, 245-257, OCTOBER 1961, (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE.

641 EMERY, J.F. * MULLINS, W.T. * BATE, L.C. * LEDDICOTTE, G.W.
TRACE ELEMENT DETERMINATION IN NIOBIUM AND ZIRCONIUM METAL BY RADIOACTIVATION ANALYSIS. NIOBIUM.
TID-7629, 239-243, OCTOBER 1961, (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE.

642 GIBBONS, D. * FITE, L.E. * WAINERDI, R.E.
COMPUTER-COUPLED, AUTOMATIC ACTIVATION ANALYSIS.
TID-7629, 221-238, OCTOBER 1961, (ENGLISH). ACTIVATION ANALYSIS RESEARCH LABORATORY, AGRICULTRUAL AND MECHANICAL COLLEGE OF TEXAS, COLLEGE STATION, TEXAS.

643 KOCH, R.C.
ACTIVATION ANALYSIS HANDBOOK,
ACADEMIC PRESS, NEW YORK, VOL. I, 219P., 1960,
(ENGLISH). USA.

644 AEROJET-GENERAL
ISOTOPE ACTIVATION CAPABILITIES OF THE AGN-201
REACTOR AT 5 WATTS POWER,
3P., UNDATED. (ENGLISH), USA.

645 DAJDEL, R.
USE OF RADIOACTIVE INDICATORS, B. METHOD FOR
DIRECT ACTIVATION,
LA RADIOACTIVITE, PRESSES UNIVERSITAIRES DE
FRANCE, PARIS, 119-134, 1955. (FRENCH). FRANCE.

646 RADIATION COUNTER LABORATORIES
NEUTRON ACTIVATION ANALYSIS WITH 14.1 MEV NEUTRONS
USING THE RCL NEUTRON ACTIVATOR,
RADIATION COUNTER LABORATORIES TRADE JOURNAL,
UNDATED. (ENGLISH). RADIATION COUNTER
LABORATORIES, SKOKIE, ILLINOIS.

647 HIGH VOLTAGE ENGINEERING CORPORATION
THE PLACE OF THE PARTICLE ACCELERATOR IN BASIC
RESEARCH. NEUTRON ACTIVATION ANALYSIS, XI,
SCIENCE, 128, 868 (1958). (ENGLISH), HIGH VOLTAGE
ENGINEERING CORPORATION, BURLINGTON, MASS.

648 BETHARD, W.F. * SCHMITT, R.
NEUTRON ACTIVATION ANALYSIS CAN BE USED FOR
ULTRASENSITIVE ANALYSIS OF BLOOD,
CHEM. AND ENG. NEWS, 45 (JULY 3, 1961). (ENGLISH),
GENERAL DYNAMICS, SAN DIEGO, CALIF.

649 HUBNER, U.
THE ACCURACY OF ESTIMATIONS OF COPPER, ARSENIC,
AND ANTIMONY BY MEANS OF THE PHOTOPEAK DECAY CURVE
OF THE GAMMA-RAY SPECTRUM,
ISOTOPEN TECH., 2, 335-336 (1962). (GERMAN).
GERMANY.

650 NUCLEONICS
ACTIVATION ANALYSIS 1962 FINDS IT IN A STATE OF
RAPID GROWTH.
NUCLEONICS, 20, NO. 3, 54-59 (1962). (ENGLISH).
USA.

651 SMITH, H.
ESTIMATION OF MANGANESE IN BIOLOGICAL MATERIAL BY
NEUTRON ACTIVATION ANALYSIS,
ANAL. CHEM., 34, 190-191 (1962), (ENGLISH).
DEPARTMENT OF FORENSIC MEDICINE, THE UNIVERSITY,
GLASGOW, SCOTLAND,

652 KRUGER, P, * GRUVERMAN, I.J.
NEUTRON ACTIVATION ANALYSIS OF HOMOGENIZED
CHICKEN,
INTERN. J. APPL. RAD. AND ISOTOPES, 13, 106-110
(1962). (ENGLISH), NUCLEAR SCIENCE AND ENG. CORP.,
PITTSBURGH, PA.

653 FORRO UNIVERSAL
FORRO UNIVERSAL ISOTOPE ANALYSER FOR NEUTRON
ACTIVATION ANALYSIS, FORRO BETA-GAMMA COINCIDENCE
ANALYSER FOR NEUTRON ACTIVATION ANALYSIS,
FORRO SCIENTIFIC CO, LITERATURE, UNDATED,
(ENGLISH), FORRO SCIENTIFIC CO., EVANSTON,
ILLINOIS,

654 WINCHESTER, J.W. * MEYER, R.E, * BATE, L.C, *
LEDDICOTTE, G.W.
DETERMINATION OF OXYGEN IN OXIDE FILMS BY NEUTRON
ACTIVATION ANALYSIS,
CF-59-7-128, 6P., JULY 15, 1959, (ENGLISH). OAK
RIDGE NATIONAL LAB., OAK RIDGE, TENN,

655 LEONHARDT, W.
DETERMINATION OF SURFACE OXYGEN ON METALS BY
ACTIVATION IN THE REACTOR,
ANAL. CHIM. ACTA, 32, 355-369 (1965), (GERMAN)
(ENGLISH AND FRENCH SUMMARIES), ZENTRALINSTITUT
FUR KERNFORSCHUNG, ROSSENDORF (D.D.R.),

656 LOVERING, J.F. * MORGAN, J.W.
COMPARATIVE URANIUM AND THORIUM ANALYSES OF BASIC
AND ULTRA-BASIC ROCKS,
NATURE, 199, 479-480 (1963), (ENGLISH), DEPARTMENT
OF GEOPHYSICS, AUSTRALIAN NATIONAL UNIVERSITY,
CONBERRA, AUSTRALIA,

657 LOWMAN, J.T. * KRIVIT, W.
ACTIVATION ANALYSIS A NEW STABLE ISOTOPE METHOD
FOR TRACER STUDIES,
UNIV. MINN. MED. BULL., 33, 203-213 (1962).
(ENGLISH). UNIVERSITY OF MINNESOTA, MINNEAPOLIS,
MINNESOTA.

658 KAMAN NUCLEAR
A STUDY FOR A NEUTRON ACTIVATION ANALYSIS SYSTEM FOR ANALYZING LUNAR SURFACE MATERIALS,
KAMAN NUCLEAR FINAL REPORT, DECEMBER 23, 1960, (ENGLISH), KAMAN NUCLEAR, COLORADO SPRINGS, COLORADO.

659 LUKENS, H.R. * YULE, H.P. * GUINN, V.P.
REACTOR PULSING IN ACTIVATION ANALYSIS.
NUCL. INSTR. METHODS, 33, 273-276 (1963), (ENGLISH), GENERAL ATOMIC DIVISION, GENERAL DYNAMICS, SAN DIEGO, CALIF.

660 DOW SPECTROSCOPY LABORATORY,
ATOMIC TOOLS FOR THE CHEMIST,
DOW CHEMICAL CO, BROCHURE, UNDATED, (ENGLISH), DOW CHEMICAL CO., MIDLAND, MICH.

661 OAK RIDGE NATIONAL LABORATORY
CARBIDE OFFERS ANALYSIS SERVICE USING NEUTRONS,
CHEM. AND ENG. NEWS, 30, 3306 (1952), (ENGLISH), OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

662 YAKOVLEV, Y.V. * KULAK, A.I. * RYABUKHIN, V.A. * RYTCHKOV, R.S.
THE DETERMINATION OF TRACE IMPURITIES IN PURE MATERIALS BY THE RADIOACTIVATION ANALYSIS,
PROGRESS IN NUCLEAR ENERGY SERIES IX, VOL. I-ANALYTICAL CHEMISTRY, PERGAMON PRESS, 145-162, 1959, (ENGLISH TRANSLATION), RUSSIA,

663 GENERAL ATOMIC DIVISION
ACTIVATION ANALYSIS, PARTICIPANT PROGRAM,
GENERAL DYNAMICS BROCHURE, UNDATED, (ENGLISH), GENERAL DYNAMICS, GENERAL ATOMIC DIVISION, SAN DIEGO, CALIF.

664 GUCZI, L. * KISS, I.
THE APPLICATION OF RADIOISOTOPES IN THE FOOD INDUSTRY AND FOOD RESEARCH,
ELEM. IPAR, 16, 240-243 (AUG. 1962), (HUNGARIAN) (RUSSIAN, GERMAN AND ENGLISH SUMMARIES), ORSZ. ATOMENERGIA BIZOTTSAG ISOTOP INTEZET ES KOZP. ELEMISZERIPARI KUATO INTEZET, HUNGARY,

665 GREENWOOD, R.C. * REED, J. * STONE, C.A.
NUCLEAR METHOD FOR A RAPID ANALYSIS OF IRON ORE,
TRANS. AM. NUCL. SOC., 4, 245-246 (1961), (ENGLISH), ARMOUR RESEARCH FOUNDATION, CHICAGO, ILLINOIS.

666 MEINKE, W.W,
ACTIVATION ANALYSIS,
CHEMISTRY, 35, NO, 6, 1-6 (1962), (ENGLISH),
DEPARTMENT OF CHEMISTRY, UNIVERSITY OF MICHIGAN,
ANN ARBOR, MICH,

667 MASSACHUSETTS INSTITUTE OF TECHNOLOGY
GENERAL RADIOBIOLOGY,
MIT-952-1, 150-162, UNDATED, (ENGLISH),
MASSACHUSETTS INSTITUTE OFTECHNOLOGY, CAMBRIDGE,
MASS,

668 HAZLETON NUCLEAR SCIENCE CORPORATION
ACTIVATION ANALYSIS SENSITIVITIES,
HAZLETON NUCLEAR SCIENCE CORPORATION LITERATURE,
UNDATED, (ENGLISH), HAZLETON NUCLEAR SCIENCE
CORPORATION, PALO ALTO, CALIF,

669 DIBBS, H.P,
DETERMINATION OF BERYLLIUM BY GAMMA-RAY
ACTIVATION,
MINES BRANCH TECH, BULL, TB 33, 14P,, MARCH 1962,
(ENGLISH), MINERAL SCIENCES DIVISION, DEPARTMENT
OF MINES AND TECHNICAL SURVEYS, OTTAWA, CANADA,

670 WOODMAN, F.J,
THE DETERMINATION OF ARGON IN CARBON DIOXIDE BY
RADIOACTIVATION ANALYSIS,
UKAEA TECH, MEMO, 289, 7P,, 7/9/54, (ENGLISH),
CHEMICAL SERVICES DEPARTMENT, WINDSCALE, ENGLAND,

671 TEXAS A AND M
WEIGHTS WHICH WILL GIVE MEASURABLE ACTIVITY AT
GIVEN TIMES AFTER IRRADIATION FOR 80 HOURS AT 10
EXPON 12 N/CM EXPON 2/SEC,
TEXAS A AND M LITERATURE, UNDATED, (ENGLISH),
TEXAS A AND M ACTIVATION ANALYSIS RESEARCH
LABORATORY, COLLEGE STATION, TEXAS,

672 CHEMICAL AND ENGINEERING NEWS
ACTIVATION ANALYSIS GAINS MOMENTUM,
CHEM, AND ENG, NEWS, 62-63, NOV, 14, 1960,
(ENGLISH), USA,

673 MC PHERSON, D,
STABLE CA-48 AS A TRACER IN STUDIES OF MINERAL
METABOLISM IN MAN,
STI-DOC/10/32, 17-20, 1964, (ENGLISH), MEDICAL
RESEARCH COUNCIL OFCANADA,

674 ZVYAGINSEV, O.E. * SHAMAEV, V.I.
THE APPLICATION OF RADIOACTIVATION ANALYSIS FOR DETERMINING MICROPIMPURITIES IN TELLURIUM.
RADIOCHEMISTRY, 1, NO. 2, 301-309 (1960). (ENGLISH TRANSLATION). RUSSIA.

675 NIXON, G.S. * SMITH, H.
ESTIMATION OF COPPER IN HUMAN ENAMEL BY ACTIVATION ANALYSIS.
J. DENTAL RESEARCH, 41, NO. 5, 1013-1016 (1962). (ENGLISH). UNIVERSITY OF GLASGOW DENTAL SCHOOL, GLASGOW, SCOTLAND.

676 KOCH, R.C. * ROESMER, J.
APPLICATION OF ACTIVATION ANALYSIS TO THE DETERMINATION OF TRACE-ELEMENT CONCENTRATIONS IN MEAT.
J. FOOD SCI., 27, NO. 3, 309-320 (1962). (ENGLISH). NUCLEAR SCIENCE AND ENGINEERING CORPORATION, PITTSBURGH, PENNSYLVANIA.

677 MESHRI, D.T. * SHAH, S.D. * HALDAR, B.C.
DETERMINATION OF RHENIUM IN INDIAN COLUMBITE BY NEUTRON ACTIVATION ANALYSIS.
INDIAN J. APPL. CHEM., 26, NO. 1-2, 1-3 (1963). (ENGLISH). CHEMISTRY DEPARTMENT, GUJARAT COLLEGE, AHMEDABAD AND INORGANIC CHEMISTRY LABORATORY, INSTITUTE OF SCIENCE, BOMBAY.

678 GILLESPIE, A.S., JR. * HILL, W.W.
SENSITIVITIES FOR ACTIVATION ANALYSIS WITH 14-MEV NEUTRONS.
NUCLEONICS, 19, NO. 11, 170-173 (1961). (ENGLISH). ALCOA RESEARCH LABORATORIES, ALUMINUM COMPANY OF AMERICA, NEW KENSINGTON, PA.

679 TITTLE, C.W.
QUANTITATIVE AND QUALITATIVE ANALYSIS THROUGH NEUTRON ACTIVATION.
NUCLEAR-CHICAGO TECH. BULL. NO. 10, 6P. (1961). (ENGLISH). NUCLEAR-CHICAGO CORP., DES PLAINES, ILLINOIS.

680 TEXAS NUCLEAR CORPORATION
ACTIVATION ANALYSIS BROCHURES.
NUCLEAR-CHICAGO CORPORATION BROCHURES, UNDATED. (ENGLISH). TEXAS NUCLEAR CORPORATION.

681 COOK, G.B.
RADIOACTIVATION ANALYSIS IN A NUCLEAR REACTOR,
PURE AND APPL. CHEM., 1, 15-30 (1960). (ENGLISH)
(FRENCH SUMMARY). ISOTOPE AND RESEARCH DIVISION,
AERE, HARWELL, ENGLAND.

682 LJUNGGREN, K.
SPECTROMETER FOR THE DETERMINATION OF POSITRON AND
GAMMA-RAY CASCADE-EMITTING NUCLIDES,
PURE AND APPL. CHEM., 1, 31-34 (1960). (ENGLISH),
ROYAL INSTITUTE OF TECHNOLOGY, STOCKHOLM, SWEDEN,

683 HERR, W.
NEUTRON ACTIVATION APPLIED TO GEOCHEMISTRY.
PURE AND APPL. CHEM., 1, 35-52 (1960). (ENGLISH).
(FRENCH SUMMARY), MAX-PLANCK INSTITUT FUR CHEMIE,
MAINZ. INSTITUT FUR KERNCHEMIE DER UNIVERSITAT,
KOLN, GERMANY.

684 KRAUCH, H.
PROBLEMS POSED BY UTILIZATION OF NUCLEAR ENERGY IN
THE CHEMICAL INDUSTRY,
CEA-TR-A-1308 (TRANSLATED FROM CHEMIKER ZTG., 84,
523-527, AUGUST 20, 1960), 17P. (WITH ORIGINAL
5P.), 1963. (FRENCH), HEIDELBERG, GERMANY,

685 LEDDICOTTE, G.W.
EXPERIENCE IN THE U.S.A. ON THE USE OF
RADIOACTIVATION ANALYSIS,
PURE AND APPL. CHEM., 1, 61-80 (1960). (ENGLISH)
(FRENCH SUMMARY). OAK RIDGE NATIONAL LABORATORY,
OAK RIDGE, TENN.

686 GRIMANIS, A.P. * PANTAZIS, G. * PAPADOPOULOS, C. *
TSANOS, N.
DETERMINATION OF TRACE ELEMENTS IN THE GREEK LAKES
BY NEUTRON ACTIVATION ANALYSIS.
THIRD UNITED NATIONS INTERNATIONAL CONFERENCE ON
THE PEACEFUL USES OF ATOMIC ENERGY,
A/CONF.28/P/854 GREECE, 14P., MAY 1964. (ENGLISH)
NUCLEAR RESEARCH CENTER DEMOCRITUS, CHEMISTRY AND
BIOLOGY DIVISIONS, GREECE.

687 HOSTE, J.
ACTIVATION ANALYSIS OF MINOR CONSTITUENTS IN HIGH
ALLOY STEELS.
PURE AND APPL. CHEM., 1, 99-110 (1960). (ENGLISH)
(FRENCH SUMMARY). LABORATORY OF ANALYTICAL
CHEMISTRY, UNIVERSITY OF GHENT, BELGIUM,

688 ALBERT, P.
SYSTEMATIC ANALYSIS OF IMPURITIES IN ZONE REFINED ALUMINUM AND IRON BY IRRADIATION IN THE ATOMIC PILE.
PURE AND APPL. CHEM., 1, 111-119 (1960(, (FRENCH) (ENGLISH SUMMARY), C.N.R.S., 15 RUE G. URBAIN, VITRY, SEINE, FRANCE,

689 LELIAERT, G.
DETERMINATION OF TRACE ELEMENT DIFFUSION IN QUARTZ AND IN GERMANIUM,
PURE AND APPL. CHEM., 1, 121-126 (1960), (ENGLISH) (FRENCH SUMMARY), CENTRE FOR NUCLEAR ENERGY, MOL, BELGIUM,

690 HAERDI, W. * MARTIN, E. * MONNIER, D.
RADIOCHEMICAL ANALYSIS BY ACTIVATION WITH THERMAL NEUTRONS. DIRECT DETERMINATION OF VANADIUM IN AN 18/8 STAINLESS STEEL, BY MEASURING THE ACTIVITY OF VANADIUM-52 (HALF-LIFE 3,76 MINUTES),
HELV. CHIM. ACTA, 46, 1572-1580 (1963), (FRENCH), LABORATOIRE DE CHIMIE ANALYTIQUE, DE L UNIVERSITE DE GENEVE,

691 HOSTE, J.
DETERMINATION OF TRACES BY ACTIVATION ANALYSIS.
CHEM. WEEKBLAD, 58, 106-111 (1962). (DUTCH).
INSTITUUT VOOR ANALYTISCHE CHEMIE, RIJKSUNIVERSITEIT GENT,

692 BENSON, P.A. * HOLLAND, W.D. * SMITH, R.H.
THE DETERMINATION OF IRON AND URANIUM IN HIGH PURITY LEAD FOIL BY NEUTRON ACTIVATION ANALYSIS.
PROCEEDINGS INTERNATIONAL CONFERENCE ON MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 7-11, DECEMBER 1961, (ENGLISH), TRACERLAB, RICHMOND, CALIF,

693 MORGAN, W.R.
ABSOLUTE DISINTEGRATION RATES BY GAMMA RAY SPECTROSCOPY AND COMPUTER ANALYSIS,
PROCEEDINGS INTERNATIONAL CONFERENCE ON MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 16-18, DECEMBER 1961, (ENGLISH), GENERAL ELECTRIC CO., ATOMIC POWER EQUIPMENT DEPARTMENT, VALLECITOS ATOMIC LABORATORY, PLEASANTON, CALIF,

694 SCHONFELD, T, * BRODA, E,
THE APPLICATIONS OF RADIOACTIVITY IN CHEMICAL ANALYSIS,
ATOMPRAXIS, 3, 77-80 (1957), (GERMAN), INSTITUT DER UNIVERSITAT WIEN,

695 OSHRY, H.I,
FAST NEUTRON ACTIVATION ANALYSIS WITH A PORTABLE SOURCE.
PROCEEDINGS INTERNATIONAL CONFERENCE ON MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 28-31, DECEMBER 1961, (ENGLISH), LANE-WELLS CO., A DIVISION OF DRESSER INDUSTRIES, INC., HOUSTON, TEXAS,

696 GILMORE, J.T. * HULL, D.E,
NITROGEN-13 IN HYDROCARBONS IRRADIATED WITH FAST NEUTRONS.
PROCEEDINGS INTERNATIONAL CONFERENCE ON MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 32-35, DECEMBER 1961, (ENGLISH), CALIFORNIA RESEARCH CORP., RICHMOND, CALIF,

697 MEINKE, W.W,
TECHNIQUES FOR FAST RADIOCHEMISTRY,
PROCEEDINGS INTERNATIONAL CONFERENCE ON MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 36-40, DECEMBER 1961, (ENGLISH), DEPARTMENT OF CHEMISTRY, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICH,

698 EHMANN, W.D,
DETERMINATION OF SUB-MICROGRAM AMOUNTS OF SOME HEAVY ELEMENTS IN METEORITES BY ACTIVATION ANALYSIS.
PROCEEDINGS INTERNATIONAL CONFERENCE ON MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 41-45, DECEMBER 1961, (ENGLISH), UNIVERSITY OF KENTUCKY, DEPARTMENT OF CHEMISTRY, LEXINGTON, KENTUCKY,

699 KRUGER, P, * GRUVERMAN, I.J,
NEUTRON ACTIVATION ANALYSIS FOR CHARACTERIZATION OF INDUCED ACTIVITY IN IRRADIATED FOODS,
PROCEEDINGS INTERNATIONAL CONFERENCE ON MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 46-49, DECEMBER 1961, (ENGLISH), NUCLEAR SCIENCE AND ENGINEERING CORP,

700 ROSS, H.H. * GARDNER, R.P.
ACTIVATION ANALYSIS TRAINING AT THE OAK RIDGE INSTITUTE OF NUCLEAR STUDIES.
PROCEEDINGS INTERNATIONAL CONFERENCE ON MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 64-66, DECEMBER 1961, (ENGLISH). OAK RIDGE INSTITUTE OF NUCLEAR STUDIES, OAK RIDGE, TENN.

701 DURHAM, R.W. * NAVALKAR, M.P. * RICCI, E.
THRESHOLD REACTION INTERFERENCE IN NEUTRON ACTIVATION ANALYSIS.
PROCEEDINGS INTERNATIONAL CONFERENCE ON MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 67-71, DECEMBER 1961, (ENGLISH). ATOMIC ENERGY OF CANADA, LTD., CHALK RIVER, ONTARIO, CANADA.

702 BUCHANAN, J.D.
ACTIVATION ANALYSIS WITH A TRIGA REACTOR.
PROCEEDINGS INTERNATIONAL CONFERENCE ON MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 72-77, DECEMBER 1961, (ENGLISH). JOHN JAY HOPKINS LABORATORY FOR PURE AND APPLIED SCIENCE, GENERAL ATOMIC DIVISION OF GENERAL DYNAMICS CORP., SAN DIEGO, CALIF.

703 ALBERT, P.
THE USE OF REACTIONS INDUCED BY ACCELERATED PROTONS, DEUTERONS, HELIONS AND GAMMA PHOTONS IN RADIOACTIVATION ANALYSIS FOR THE DETERMINATION OF OXYGEN, CARBON, AND NITROGEN IN METALS.
PROCEEDINGS INTERNATIONAL CONFERENCE ON MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 78-85, DECEMBER 1961, (ENGLISH). CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, CENTRE D ETUDES DE CHIMIE METALLURGIQUE, VITRY SUR SEINE, FRANCE.

704 ALBERT, P.
A COMBINATION OF CHEMICAL AND PHYSICOCHEMICAL METHODS FOR A SYSTEMATIC SEPARATION OF LARGE NUMBERS OF RADIOISOTOPES ON ONE EXPERIMENTAL ANALYSIS OF ALUMINUM, IRON, AND ZIRCONIUM BY RADIOACTIVATION.
PROCEEDINGS INTERNATIONAL CONFERENCE ON MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 86-94, DECEMBER 1961, (ENGLISH). CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, CENTRE D ETUDES DE CHIMIE METALLURGIQUE, VITRY SUR SEINE, FRANCE.

705 KOCH, R.C. * ROESMER, J.
APPLICATION OF ACTIVATION ANALYSIS TO THE DETERMINATION OF TRACE ELEMENTS IN MEAT,
PROCEEDINGS INTERNATIONAL CONFERENCE ON MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 95-101, DECEMBER 1961, (ENGLISH), NUCLEAR SCIENCE AND ENGINEERING CORP., PITTSBURGH, PA.

706 JERVIS, R.E. * PERKONS, A.K. * MACKINTOSH, W.D. * KERR, M.F.
ACTIVATION ANALYSIS IN FORENSIC INVESTIGATION,
PROCEEDINGS INTERNATIONAL CONFERENCE ON MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 107-113, DECEMBER 1961, (ENGLISH), DEPT. OF CHEMICAL ENGINEERING, UNIVERSITY OF TORONTO, TORONTO, CANADA,

707 ROSSI, M.L. * D AGOSTINO, M.D. * NOSTRAND, J.W., JR. * FAVALE, A.J.
ACTIVATION RESEARCH IN THE AEROSPACE INDUSTRY,
PROCEEDINGS INTERNATIONAL CONFERENCE ON MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 114-118, DECEMBER 1961, (ENGLISH), GRUMMAN AIRCRAFT ENGINEERING CORP., BETHPAGE, N.Y.

708 GIRARDI, F.
DEVELOPMENT OF NEW TECHNIQUES OF ACTIVATION ANALYSIS AT THE COMMUNITY RESEARCH CENTER OF EURATOM - ISPRA,
PROCEEDINGS INTERNATIONAL CONFERENCE ON MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 119-125, DECEMBER 1961, (ENGLISH), C.C.R. EURATOM, ISPRA, VARESE, ITALY,

709 MC CONNELL, K.P.
USE OF ACTIVATION ANALYSIS IN STUDIES OF SELENIUM IN THE MAMMALIAN ORGANISM,
PROCEEDINGS INTERNATIONAL CONFERENCE ON MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 137-140, DECEMBER 1961, (ENGLISH). RADIOISOTOPE SERVICE, VETERANS ADMINISTRATION HOSPITAL AND BIOCHEMISTRY DEPARTMENT, SCHOOL OF MEDICINE, UNIVERSITY OF LOUISVILLE, LOUISVILLE, KENTUCKY,

710 PLANTIN, L-O.
THE APPLICATION OF ACTIVATION ANALYSIS TO MEDICAL PROBLEMS.
PROCEEDINGS INTERNATIONAL CONFERENCE ON MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 141-144, DECEMBER 1961, (ENGLISH), KING GUSTAF VTH RESEARCH INSTITUTE, STOCKHOLM, SWEDEN,

711 BOCK-WERTHMANN, W, * SCHULZE, W,
METHODICAL IMPROVEMENTS OF ACTIVATION ANALYSIS.
PROCEEDINGS INTERNATIONAL CONFERENCE ON MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 145-148, DECEMBER 1961, (ENGLISH), HAHN-MEITNER-INSTITUT F, KERNFORSCHUNG, INSTITUTE FOR NUCLEAR RESEARCH, BERLIN, GERMANY,

712 STEELE, E.L. * MEINKE, W.W.
FAST NEUTRON ACTIVATION ANALYSIS,
PROCEEDINGS INTERNATIONAL CONFERENCE ON MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 161-165, DECEMBER 1961, (ENGLISH), DEPARTMENT OF CHEMISTRY, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICH,

713 GREENWOOD, R.C. * REED, J,
SCINTILLATION SPECTROMETER MEASUREMENTS OF CAPTURE GAMMA RAYS FROM NATURAL ELEMENTS,
PROCEEDINGS INTERNATIONAL CONFERENCE ON MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 166-171, DECEMBER 1961, (ENGLISH), PHYSICS RESEARCH DIVISION, ARMOUR RESEARCH FOUNDATION, CHICAGO, ILLINOIS,

714 SAMSAHL, K. * SOREMARK, R,
COMPARATIVE AND ABSOLUTE MEASUREMENTS OF 11 INORGANIC CONSTITUENTS OF 38 HUMAN TOOTH SAMPLES WITH GAMMA-RAY SPECTROMETRY,
PROCEEDINGS INTERNATIONAL CONFERENCE ON MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 149-154, DECEMBER 1961, (ENGLISH), THE CHEMISTRY DEPARTMENT, AB ATOMENERGI, STOCKHOLM, SWEDEN.

715 COOK, G.B,
THE WORLDWIDE DEVELOPEMENT OF ACTIVATION ANALYSIS,
PROCEEDINGS INTERNATIONAL CONFERENCE ON MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 133-136, DECEMBER 1961, (ENGLISH), INTERNATIONAL ATOMIC ENERGY AGENCY, VIENNA, AUSTRIA,

716 GUINN, V.P.
NEW DEVELOPMENTS IN INSTRUMENTAL ACTIVATION ANALYSIS--ACCELERATORS AND ANALYZERS, PROCEEDINGS INTERNATIONAL CONFERENCE ON MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 126-132, DECEMBER 1961, (ENGLISH), TECHNICAL DIRECTOR, ACTIVATION ANALYSIS PROGRAM, GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORP., SAN DIEGO, CALIF.

717 CHRISTELL, R.
THE ACTIVATION ANALYSIS PROGRAM AT THE DIVISION OF NUCLEAR CHEMISTRY AND THE ISOTOPE TECHNIQUES LABORATORY IN STOCKHOLM, PROCEEDINGS INTERNATIONAL CONFERENCE ON MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 172, DECEMBER 1961, (ENGLISH), DIVISION OF NUCLEAR CHEMISTRY, THE ROYAL INSTITUTE OF TECHNOLOGY, STICKHOLM, SWEDEN,

718 SCHULTZ, W.W.
GRAIN BOUNDARY SEGREGATION STUDIES BY ACTIVATION, ASTM SPECIAL TECH, PUBL., 268, 15-19 (1960), (ENGLISH), NUCLEAR RADIATION TECHNOLOGY UNIT, GENERAL ELECTRIC CO., SCHENECTADY, N.Y.

719 HUTCHIN, W.H.
METHOD AND APPARATUS FOR QUANTITATIVE NEUTRON ACTIVATION ANALYSIS OF LARGE SAMPLES, UCRL-7616, 5P, (1964), (ENGLISH), UCRL, LIVERMORE, CALIF.

720 MEINKE, W.W.
NUCLEONICS, ANAL, CHEM., 32, 104R-136R (1960), (ENGLISH), DEPARTMENT OF CHEMISTRY, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICH,

721 FIREMAN, E.L.
THE DISTRIBUTION OF HELIUM-3 IN THE GRANT METEORITE AND A DETERMINATION OF THE ORIGINAL MASS, PLANET. SPACE SCI., 1, 66-70 (1959), (ENGLISH), SMITHSONIAN ASTROPHYSICAL OBERVATORY, CAMBRIDGE, MASS.

722 LEDDICOTTE, G.W. * REYNOLDS, S.A,
ACTIVATION ANALYSIS WITH THE OAK RIDGE REACTOR, NUCLEONICS, 8, NO, 3, 62-65, 78 (1951), (ENGLISH), ANALYTICAL CHEMISTRY DIVISION, OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN,

723 BOWEN, H.J.M.
STRONTIUM AND BARIUM IN SEA WATER AND MARINE ORGANISMS,
J. MAR. BIOL. ASSOC., 35, 451-460 (1956), (ENGLISH), RADIOBIOLOGICAL RESEARCH UNIT, AERE, HARWELL, BERKS, ENGLAND,

724 WAGER, L.R. * VINCENT, E.A. * SMALES, A.A.
SULPHIDES IN THE SKAERGAARD INTRUSION, EAST GREENLAND,
ECONOMIC GEOLOGY, 52, 855-895 (1957), (ENGLISH), DEPT. OF GEOLOGY AND MINERALOGY, OXFORD, ENGLAND,

725 BRJES, A.M. * ROBERTSON, O.H.
DETERMINATION OF PROTEIN BOUND THYROID IODINE BY NEUTRON ACTIVATION,
J. LAB. CLIN. MED., 36, 804 (1950), (ENGLISH), CHICAGO, ILL.

726 JERVIS, R.E. * MACKINTOSH, W.D.
DIRECT ACTIVATION ANALYSIS BY NEUTRON ACTIVATION AND SCINTILLATION SPECTROMETRY,
ABSTR. 133RD MEETING, A.C.S, SAN FRANCISCO, NO. 72, 27B (1958), (ENGLISH), ATOMIC ENERGY OF CANADA, LTD., CHALK RIVER, CANADA,

727 JOWANOVITZ, L.S. * MC CARLEY, R.E. * MARTIN, D.S., JR.
NEUTRON ACTIVATION ANALYSIS FOR IRIDIUM IN PLATINUM,
ABSTR. 133RD MEETING, A.C.S, SAN FRANCISCO, NO. 71, 26B (1958), (ENGLISH), DEPT. OF CHEMISTRY AND INSTITUTE FOR ATOMIC RESEARCH, IOWA STATE COLLEGE, AMES, IOWA,

728 ROWLAND, F.S. * HASKIN, L.
NEUTRON ACTIVATION ANALYSIS FOR URANIUM IN NATURAL LIMESTONES.
ABSTR. 136TH MEETING, A.C.S, ATLANTIC CITY, NO. 31, 15S (1959), (ENGLISH), UNIVERSITY OF KANSAS,

729 GRAND, J.A. * BAUS, R.A. * BOGARD, A.D. * WILLIAMS, D.D.
SOLUBILITY OF TANTALUM AND COBALT IN SODIUM BY ACTIVATION ANALYSIS,
ABSTR. 133RD MEETING, A.C.S, SAN FRANCISCO, NO. 70, 26B (1958), (ENGLISH), WESTINGHOUSE ELECTRIC CORP., PITTSBURGH, PA,

730 DRUYAN, R. * MITCHELL, T.G. * KING, E.R. *
SPENCER, R.P.
NEUTRON ACTIVATION ANALYSIS.
RADIOLOGY, 71, 856-859 (1958), (ENGLISH), NUCLEAR
MEDICINE BRANCH, DEPT. OF RADIOLOGY, U.S. NAVAL
HOSPITAL, BETHESDA, MD.

731 MEINKE, W.W.
NUCLEONICS.
ANAL. CHEM., 30, 686-728 (1958), (ENGLISH).
UNIVERSITY OF MICHIGAN, ANN ARBOR, MICH.

732 JOHNSON, R.A. * GORDON, B.E.
DETERMINATION OF CHLORINE BY INSTRUMENTAL NEUTRON
ACTIVATION.
TRANS. AM. NUCL. SOC., 7, 328-329 (1964),
(ENGLISH), SHELL DEVELOPMENT.

733 WAGNER, C.D. * CAMPANILE, V.A. * GUINN, V.P.
TECHNIQUES OF CHEMICAL RESEARCH WITH THE ELECTRON
VAN DE GRAAFF.
NUCL. INSTR. AND METHODS, 6, 238-242 (1960),
(ENGLISH), SHELL DEVELOPMENT CO., EMERYVILLE,
CALIF.

734 ODEBLAD, E.
DISCUSSION NEUTRON-ACTIVATION ANALYSIS.
QUOTE TRACE ANALYSIS QUOTE, J.H. YOE AND H.J.
KOCH, ED. JOHN WILEY AND SONS, NEW YORK, 541-546
(1957), (ENGLISH), KAROLINSKA MEDIKOKIRURGISKA
INSTITUTET, STOCKHOLM, SWEDEN.

735 LEDDICOTTE, G.W. * LYON, W.S.
SPECIAL RADIOCHEMICAL ANALYSIS IN THE OPERATION OF
ORNL REACTORS.
TID-7568, PART 2, 145-157 (1958), (ENGLISH), OAK
RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

736 REED, G.W.
ACTIVATION ANALYSIS APPLIED TO GEOCHEMICAL
PROBLEMS.
QUOTE RESEARCHES IN GEOCHEMISTRY QUOTE, P.H.
ABELSON, JOHN WILEY AND SONS, NEW YORK, 458-475
(1959), (ENGLISH), ARGONNE NATIONAL LABORATORY,
LEMONT, ILLINOIS.

737 MEYER, R.C.
CONSTRUCTION OF A NEUTRON ACTIVATION APPARATUS.
NBL-117, 30 (1956), (ENGLISH), NEW BRUNSWICK
LABORATORY, AEC, NEW JERSEY.

738 KAHNG, M.W. * LAKSHMANAN, S. * DUFFEY, D.
INFORMATION RETRIEVAL FROM PHOTOGRAPHIC FILMS BY
NEUTRON ACTIVATION,
TRANS. AM. NUCL. SOC., 7, 331 (1964), (ENGLISH),
UNIV. OF MARYLAND,

739 WINCHESTER, J.W.
DETERMINATION OF POTASSIUM IN SILICATE MINERALS
AND ROCKS BY NEUTRON ACTIVATION ANALYSIS,
ANAL. CHEM., 33, 1007-1012 (1961), (ENGLISH),
DEPARTMENT OF GEOLOGY AND GEOPHYSICS, MIT,
CAMBRIDGE, MASS,

740 KIM, C.K. * SILVERMAN, J.
RADIOCHEMICAL SEPARATION OF MERCURY IN NEUTRON
ACTIVATION ANALYSIS,
TRANS. AM. NUCL. SOC., 7, 332 (1964), (ENGLISH),
UNIV. OF MARYLAND,

741 SOREMARK, R. * LUNDBERG, M.
GAMMA-RAY SPECTROMETRIC ANALYSIS OF THE
CONCENTRATIONS OF CR, AG, FE, CO, RB, AND PT IN
NORMAN HUMAN ENAMEL,
ACTA ODONTOL. SCAND., 22, 255-259 (1964),
(ENGLISH) (FRENCH AND GERMAN SUMMARIES), THE
HARVARD SCHOOL OF DENTAL MEDICINE, BOSTON, MASS.,
AND FACULTY OF ODONTOLOGY, UNIVERSITY OF UMEA,
SWEDEN,

742 IRVING, G,
DETERMINATION OF INDIUM BY THE RADIOACTIVATION
METHOD,
TRUDY KOMISSU ANAL. KHIM. AKAD. NAUK S.S.S.R.
INST. GEOKHIM. I. ANAL. KHIM., 9, 249-263 (1958),
(RUSSIAN), RUSSIA,

743 PEETERMANS, A,
MEASUREMENT OF THE FLUX OF THERMAL NEUTRONS AND
ESTIMATION OF THE FLUX OF EPI THERMAL NEUTRONS, BY
RADIOACTIVATION OF GOLD-197,
BULL. SOC. ROY. SCI. LIEGE, 24, NOS. 11-12,
726-735 (1965), (FRENCH), UNIVERSITE DE LIEGE,
BELGIUM,

744 VON ARDENNE, M. * BERNHARD, F.
A NUCLEAR PHYSICAL METHOD FOR DETERMINING SMALL QUANTITIES OF CARBON IN IRON.
Z. PHYSIK., 122, 740-748 (1944), (GERMAN), KERNPHYSIKALISCHEN INSTITUT DES REICHSPOSTMINISTERIUMS, BERLIN- LICHTERFELDE-OST UND DER FORSCHUNGSANSTALT DER FRIEDRICH KRUPP, ESSEN, GERMANY.

745 SMALES, A.A.
NEUTRON-ACTIVATION ANALYSIS.
QUOTE TRACE ANALYSIS QUOTE, J.H. YOE AND K.H. KOCH, ED. JOHN WILEY AND SONS, NEW YORK, 518-546 (1957). (ENGLISH), AERE, HARWELL, BERKSHIRE, ENGLAND.

746 HUGHES, D.J.
ACTIVATION ANALYSIS.
ADDISON-WESLEY, CAMBRIDGE, MASS., 195-196 (1953), (ENGLISH), USA.

747 GOVAERTS, J.
INTRODUCTION TO NUCLEAR CHEMISTRY. C. ACTIVATION ANALYSIS.
QUOTE ACTIVATION ANALYSIS QUOTE, DUNOD, PARIS, 248-254 (1961). (FRENCH), FRANCE.

748 WINCHESTER, J.W.
RADIOACTIVATION ANALYSIS IN INORGANIC GEOCHEMISTRY.
PROGRESS IN INORGANIC CHEMISTRY, 2, 1-32 (1960). (ENGLISH), MIT, CAMBRIDGE, MASS.

749 BRODA, E. * SCHONFELD, T.
ACTIVATION ANALYSIS.
HANDBOOK OF MICROCHEMICAL METHODS, II, F. HECHT AND M.K. ZACHERL, EDITORS. SPRINGER-VERLAG, WIEN, 161-197 (1955). (GERMAN), GERMANY.

750 MAPPER, D.
RADIOACTIVATION ANALYSIS.
QUOTE METHODS IN GEOCHEMISTRY QUOTE, A.A. SMALES AND L.R. WAGER, ED. INTERSCIENCE PUBLISHERS, INC., NEW YORK, 297-357 (1960). (ENGLISH), AERE, HARWELL, BERKS, ENGLAND.

751 OKADA, M.
STUDY ON RAPID ANALYSIS BY RADIOACTIVATION (I) SIMPLE METHOD OF GRAPHICAL ESTIMATION FOR RADIOACTIVITY INDUCED BY NEUTRON IRRADIATION.
GOV T. CHEM. IND. RESEARCH INST. TOKYO, 58, 1-6 (1963). (JAPANESE) (ENGLISH SUMMARY), JAPAN.

752 OKADA, M.
STUDY ON RAPID ANALYSIS BY RADIOACTIVATION (II) SIMULTANEOUS DETERMINATION OF VANADIUM AND ALUMINUM IN GRAPHITE.
GOV T. CHEM. IND. RESEARCH INST. TOKYO, 58, 7-10 (1963). (JAPANESE) (ENGLISH SUMMARY), JAPAN.

753 OKADA, M.
STUDY ON RAPID ANALYSIS BY RADIOACTIVATION (III) DETERMINATION OF SELENIUM BY SELENIUM-77M (17 SEC).
GOV T. CHEM. IND. RESEARCH INST. TOKYO, 58, 11-15 (1963). (JAPANESE) (ENGLISH SUMMARY), JAPAN.

754 HIRANO, S. * MIZUIKE, A. * YAMADA, K.
DETERMINATION OF GOLD IN ELECTROLYTIC COPPER BY NEUTRON-ACTIVATION ANALYSIS.
THE 3RD JAPAN CONFERENCE ON RADIOISOTOPES, JRIA 59/P-29, T-29 (1961). (ENGLISH), FACULTY OF ENGINEERING, UNIVERSITY OF TOKYO.

755 TAKETANI, K. * SASAKI, Y.
METALLURGICAL STUDY BY NEUTRON ACTIVATION.
THE THIRD JAPAN CONFERENCE ON RADIOISOTOPES, JRIA 59/P-30, T-30 (1961) (ENGLISH), JAPAN ATOMIC ENERGY RESEARCH INSTITUTE.

756 LEVEQUE, P. * KOBAYASHI, M. * MAY, S.
ACTIVATION ANALYSIS OF OXYGEN IN METALS.
THE THIRD JAPAN CONFERENCE ON RADIOISOTOPES, JRIA 59/P-27, T-27 (1961) (ENGLISH), SECTION D APPLICATION DES RADIOELEMENTS, DEPARTEMENT DE PHYSICO-CHIMIE, CENTRE D ETUDES NUCLEAIRES DE SACLAY, FRANCE.

757 KAMEDA, K.
RADIOACTIVATION ANALYSIS OF RARE-EARTH ELEMENTS IN FISH.
THE THIRD JAPAN CONFERENCE ON RADIOISOTOPES, JRIA 59/P-105, S-5 (1961). (ENGLISH), JAPAN ATOMIC ENERGY RESEARCH INSTITUTE, HEALTH PHYSICS DIVISION.

758 FUKAI, R.
ACTIVATION ANALYSIS OF TRACE ELEMENTS IN MARINE ORGANISMS - ESTIMATIONS OF VANADIUM, ARSENIC, MOLYBDENUM, TUNGSTEN, RHENIUM AND GOLD.
THE THIRD JAPAN CONFERENCE ON RADIOISOTOPES, JRIA 59/P-104, S-4 (1961), (ENGLISH), TOKAI REGIONAL FISHERIES RESEARCH LABORATORY.

759 LORIA, G.
HYBRID COMPUTER FOR ACTIVATION AND DECAY CALCULATIONS.
NUCL. INSTRUM. METHODS, 56, NO. 1, 77-79 (1967), (ENGLISH). REACTOR CENTRO NUCLEAR, COMISION NACIONAL DE ENERGIE NUCLEAR, MEXICO.

760 FOURNET, L.
SYSTEMATIC ANALYSIS OF ZIRCONIUM AFTER NEUTRON IRRADIATION.
THESES. A LA FACULTE DES SCIENCES DE L UNIVERSITE DE PARIS, 43P., 28 MAY 1962, (FRENCH), FRANCE.

761 HERRMANN, G.
RADIOACTIVATION ANALYSIS.
SONDERDRUCK AUS TECHNISCHE MITTEILUNGEN, 3, 1-8 (1962). (GERMAN), INSTITUT FUR ANORGANISCHE CHEMIE UND KERNCHEMIE DER UNIVERSITAT MAINZ, GERMANY.

762 CERRAI, E. * GADDA, F.
THE DETERMINATION OF OXYGEN IN ZIRCONIUM BY RADIOACTIVATION WITH 14 MEV NEUTRONS.
ENERGIA NUCLEARE, 9, NO. 6, 317-325 (1962). (ENGLISH) (ITALIAN SUMMARY), LABORATORI CISE - SEGRATE, MILANO, ITALY.

763 BATE, L.C. * PRO, M.J. * LEDDICOTTE, G.W.
IDENTIFICATION AND COMPARISON OF PHYSICAL EVIDENCE FOR LAW ENFORCEMENT PURPOSES BY NEUTRON ACTIVATION ANALYSIS.
ORNL-TM-363, 1-30, APPENDIX,1-13 (SEPTEMBER 11, 1962). (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

764 GENERAL ATOMIC DIVISION
ACTIVATION ANALYSIS SERVICE.
GENERAL DYNAMICS BULLETIN, UNDATED, (ENGLISH), GENERAL DYNAMICS GENERAL ATOMIC DIVISION, SAN DIEGO, CALIF.

765 MEINKE, W.W.
CHEMISTRY AND THE RESEARCH REACTOR,
CHEMISTRY RESEARCH AND CHEMICAL TECHNIQUES BASED ON RESEARCH REACTORS, VIENNA, IAEA, 17-59, 1963. (ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES), DEPARTMENT OF CHEMISTRY, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICH.

766 MENIS, O.
AUTOMATED METHODS OF ANALYSIS IN THE LABORATORY AND PLANT.
SYMPOSIUM ON AUTOMATED METHODS OF ANALYSIS IN THE LABORATORY AND PLANT, PITTSBURGH, PA., NOVEMBER 14, 1964. (ENGLISH), NUMEC, PENNSYLVANIA.

767 ALBERT, P. * GAITTET, J.
USE OF RADIOISOTOPES IN THE SYSTEMATIC ANALYSIS OF IMPURITIES IN METALS OF VERY HIGH PURITY.
RADIOISOTOPES IN THE PHYSICAL SCIENCES AND INDUSTRY, IAEA, VIENNA, 243-259 (1962), (FRENCH) (ENGLISH, RUSSIAN AND SPANISH SUMMARIES), CENTRE D ETUDES DE CHIME METALLURGIQUE, CNRS, VITRY, FRANCE.

768 PEREZHOGIN, G.A.
DETERMINATION OF RHENIUM IN METEORITES AND MOLYBDENITES BY NEUTRON ACTIVATION, WITH USE OF SUBSTOICHIOMETRIC SEPARATION.
INDUSTRIAL LABORATORY, 31, NO. 4, 486-488 (1965), (ENGLISH TRANSLATION), V.I. VERNADSKII INSTITUTE OF GEOCHEMISTRY AND ANALYTICAL CHEMISTRY OF THE ACADEMY OF SCIENCES OF THE USSR, MOSCOW, RUSSIA.

769 GIBBONS, D.
RADIOACTIVATION ANALYSIS.
RADIOISOTOPES REVIEW SHEET, 1-2 (JAN. 1961), (ENGLISH), ISOTOPE RESEARCH DIVISION, AERE, ENGLAND.

770 AMIEL, S. * PEISACH, M.
OXYGEN-18 ANALYSIS BY COUNTING DELAYED NEUTRONS OF NITROGEN-17.
IA-691, 21P., JUNE 1962, (ENGLISH), ISRAEL ATOMIC ENERGY COMMISSION.

771 DEMILDT, A.C.
MICROACTIVATION ANALYSIS FOR OXYGEN IN THE ACTINIDE METALS.
UCRL-10324, 1-11 (JULY 19, 1962), (ENGLISH), UCRL, BERKELEY, CALIF.

772 GITTER, S, * AMIEL, S, * GILAT, G, * SONNINO, T, *
WELWART, Y.
NEUTRON ACTIVATION ANALYSIS STUDIES OF SNAKE
VENOMS PRESENCE OF COPPER,
IA-746, 7P., JUNE 1962, (ENGLISH), ISRAEL ATOMIC
ENERGY COMMISSION,

773 MOGILYOVKIN, V, * SOBATCHKIN, A, * PRISTER, B,
NEUTRON ACTIVATION ANALYSIS IN DETERMINING
QUANTITY OF MOLYBDENUM VEGETABLE TISSUE,
IZV, TIMIRYAZEV, SEL SKOKHOZ, AKAD., NO, 1.
105-124, 1962, (RUSSIAN) (ENGLISH SUMMARY),
RUSSIA,

774 KAMEMOTO, Y, * SHIBA, K, * ONODA, Y.
NON-DESTRUCTIVE DETERMINATION OF IRIDIUM BY
NEUTRON ACTIVATION,
NIPPON KAGAKU ZASSHI, 83,57-58 (1962), (JAPANESE)
(ENGLISH SUMMARY), DIVISION OF CHEMISTRY, JAPAN
ATOMIC ENERGY RESEARCH INSTITUTE, NAKA-GUN,
IBARAKI, JAPAN,

775 KAMEMOTO, Y, * YAMAGISHI, S,
DETERMINATION OF IMPURITIES IN LEAD METAL BY
NEUTRON ACTIVATION,
NIPPON KAGAKU ZASSHI, 83, 887-888 (1962),
(JAPANESE) (ENGLISH SUMMARY), JAPAN ATOMIC ENERGY
RESEARCH INSTITUTE, CHEMISTRY DIVISION, TOKAIMURA,
IBARAKI, JAPAN,

776 HAMAGUCHI, H, * NAKAI, T, * KAMEMOTO, Y,
DETERMINATION OF PLATINUM, IRIDIUM, AND PALLADIUM
IN METEORITES BY NEUTRON ACTIVATION,
NIPPON KAGAKU ZASSHI, 82, 1489-1493 (1961),
(JAPANESE) (ENGLISH SUMMARY), TOKYO UNIVERSITY OF
EDUCATION, BUNKYO-KU, TOKYO, JAPAN,

777 KAMEMOTO, Y, * YAMAGISHI, S,
DETERMINATION OF CHLORINE AND MANGANESE IN BISMUTH
METAL BY NEUTRON ACTIVATION,
NIPPON KAGAKU ZASSHI, 83, 463-465 (1962),
(JAPANESE) (ENGLISH SUMMARY), JAPAN ATOMIC ENERGY
RESEARCH INSTITUTE, TOKAI-MURA, IBARAKI, JAPAN,

778 HAMAGUCHI, H, * NAKAI, T, * ENDO, T,
DETERMINATION OF ARSENIC AND ANTIMONY IN
METEORITES BY NEUTRON ACTIVATION,
NIPPON KAGAKU ZASSHI, 82, 1485-1489 (1961),
(JAPANESE) (ENGLISH SUMMARY), TOKYO UNIVERSITY OF
EDUCATION, BUNKYO-KU, TOKYO, JAPAN,

779 HAMAGUCHI, H. * NAKAI, T. * IDENO, E,
DETERMINATION OF TUNGSTEN IN ROCKS AND METEORITES BY NEUTRON ACTIVATION,
NIPPON KAGAKU ZASSHI, 82,1493-1498 (1961), (JAPANESE) (ENGLISH SUMMARY), TOKYO UNIVERSITY OF EDUCATION, BUNKYO-KU, TOKYO, JAPAN,

780 BESPALOV, D,F, * SAVOSIN, S,I,
NEUTRON GENERATORS FOR WELL STUDIES,
NUCLEAR GEOPHYSICS, VOL, II, 483-497 (1963), (RUSSIAN), (POLISH SUMMARY), ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF NUCLEAR GEOPHYSICS AND GEOCHEMISTRY, MOSCOW, RUSSIA,

781 DEYRIS, M, * ALBERT, P,
DOSAGE ON VANADIUM IN ALUMINUM AFTER QUOTE ZONE MELTING QUOTE,
MEMOIRES SCIENTIFIQUES REV, METALLURG,, LIX, NO, 1, 14-20 (1962), (FRENCH), CENTRE D ETUDES DE CHIMMIE METALLURGIQUE DU CNRS A VITRY, FRANCE,

782 AMIEL, S, * WELWART, Y,
LITHIUM AND LITHIUM-6 ANALYSIS BY COUNTING DELAYED NEUTRONS,
IA-690, 1-21, JANUARY 1962, (ENGLISH), ISRAEL ATOMIC ENERGY COMMISSION,

783 PLAKSIN, I,N, * SLEPCHENKO, I,F, * STARCHIK, L,P,
APPLICATION OF NEUTRON ACTIVATION ANALYSIS FOR THE DETERMINATION OF THE CONTENTS OF TUNGSTEN IN MINERALS AND CONCENTRATE,
DOKL, AKAD, NAUK, SSSR, 137, NO, 4, 880-881 (1961), (RUSSIAN), RUSSIA,

784 BILIDIN, L,P, * LBOV, A,A, * NAUMOVA, I,I,
DETERMINATION OF THE ISOTOPIC COMPOSITION OF LITHIUM BY ACTIVATION ANALYSIS,
ATOMNAYA ENERGIYA, NO, 5, 528-529 (1960), (RUSSIAN), RUSSIA,

785 ALIMARIN, I,P, * YAKOVLEV, Y,V,
THE PRESENT POSITION WITH REGARD TO METHODS OF DETERMINING IMPURITIES IN SEMICONDUCTOR MATERIALS,
INDUSTRIAL LABORATORY, USSR, 26, NO, 8, 979-984 (APRIL 1961). (ENGLISH TRANSLATION), RUSSIA,

786 CHANG, Y. * LEE, S.
A STUDY OF DETECTING ARTIFICIAL RADIOACTIVE ISOTOPES CU-66 AND MN-56 IN THE BOREHOLES BY A RADIOACTIVATED METHOD.
TI CHIU WU LI HSUEH PAO, 12, 179-191 (1963). (CHINESE), CHINA.

787 NUCLEAR SCIENCE AND ENGINEERING CORPORATION
NEUTRON ACTIVATION ANALYSIS.
NUCLEAR SCIENCE AND ENGINEERING CORPORATION BROCHURE, UNDATED, (ENGLISH), NUCLEAR SCIENCE AND ENGINEERING CORPORATION, PITTSBURGH, PA.

788 SMITH, H.
ESTIMATION OF STRONTIUM-84 IN BIOLOGICAL MATERIAL BY NEUTRON ACTIVATION ANALYSIS.
ANAL. CHEM., 35, 749-751 (1963), (ENGLISH).
DEPARTMENT OF FORENSIC MEDICINE, THE UNIVERSITY OF GLASGOW, SCOTLAND, AND WESTERN REGIONAL BOARD, REGIONAL PHYSICS DEPARTMENT, GLASGOW, SCOTLAND.

789 LAVERLOCHERE, J. * MAY, S.
DETERMINATION OF SOME IMPURITIES IN BERYLLIUM BY NEUTRON ACTIVATION.
BULL. SOC. CHIM. FRANCE, 457-462 (1963), (FRENCH), CENTRE D ETUDES NUCLEAIRES DE GRENOBLE.

790 GIRARDI, F. * PIETRA, R.
NEUTRON ACTIVATION ANALYSIS OF ALUMINUM.
ANAL. CHEM., 35, 173-177 (1963), (ENGLISH).
SERVIZIO CHIMICA NUCLEARE, CENTRO COMUNE DI RICERCHE EURATOM, ISPRA (VARESE), ITALY.

791 LJUNGGREN, K. * CHRISTELL, R.
CONTINUOUS DETERMINATION OF BORON IN A PROCESS STREAM USING A LOW LEVEL NEUTRON SOURCE.
ATOMPRAXIS, 10, 259-263 (1964), (ENGLISH), ISOTOPE TECHNIQUES LABORATORY, STOCKHOLM, SWEDEN.

792 MORRIS, D.F.C. * KILLICK, R.A.
THE DETERMINATION OF TRACES OF SELENIUM AND TELLURIUM IN SAMPLES OF PLATINUM BY NEUTRON-ACTIVATION ANALYSIS.
TALANTA, 10, 279-285 (1963), (ENGLISH), DEPARTMENT OF CHEMISTRY, BRUNEL COLLEGE, LONDON W.3, ENGLAND.

793 COOK, G.B.
REPORT ON INTERNATIONAL COMPARISON OF SOME METHODS OF TRACE ANALYSIS.
PREPRINT, UNDATED, (ENGLISH), INTERNATIONAL ATOMIC ENERGY AGENCY.

794 OKADA, M.
APPROXIMATE EMPIRICAL FORMULA FOR SELF-SHIELDING EFFECT IN NEUTRON ACTIVATION.
INTERN. J. APPL. RAD. AND ISOTOPES, 13, 53 (1962). (ENGLISH). GOV T. CHEMICAL INDUSTRIAL RESEARCH INSITUTE, TOKYO, HON-MACHI, SHIBUYA, TOKYO, JAPAN.

795 RUZICKA, J.
ISOTOPICKE ZREDOVANI V ANORGANICKE A STOPOVE ANALYSE.
SVAZEK, 56, 783-794 (1962), (CZECH), KATEDRA JADERNE CHEMIE, FAKULTA TECHNICKE A JADERNE FYSIKY CVUT, PRAHA,

796 COJOCARU, V.
GAMMA RAYS ARRANGED ACCORDING TO THE ENERGY EMITTED BY RADIOISOTOPES FORMED BY THERMAL NEUTRON ACTIVATION OF NATURAL ISOTOPES.
IFA/S.N/17, 36P., 1962. (HUNGARIAN). ACADEMIA R.P.R. INSTITUL DE FIZICA ATOMICA, BUCHAREST.

797 AOKI, F. * OKADA, M.
STUDY ON RAPID ANALYSIS BY RADIOACTIVATION (IV) DETERMINATION OF VANADIUM IN PETROLEUM.
GOV T. CHEM. IND. RESEARCH INST. TOKYO, 58, 49-53 (1963). (JAPANESE) (ENGLISH SUMMARY), JAPAN.

798 OKADA, M.
STUDY ON RAPID ANALYSIS BY RADIOACTIVATION (V) DETERMINATION OF SILVER WITH THE HELP OF SILVER-110.
GOV T. CHEM. IND. RESEARCH INST. TOKYO, 58, 54-57 (1963). (JAPANESE) (ENGLISH SUMMARY), JAPAN.

799 KALININ, A.I. * KUZNETSOVA, R.A. * MOISEEV, V.V. * MURIN, A.N.
USE OF ION EXCHANGE CHROMATOGRAPHY IN THE ACTIVATION ANALYSIS OF MICRO IMPURITIES IN SILICA.
DOKLADY AKAD. NAUK SSSR, 141, NO. 1, 98-100 (1961). (RUSSIAN). RUSSIA

800 NATO ADVANCED STUDY INSTITUTE
WELCOME TO GLASGOW.
NATO ADVANCED STUDY INSTITUTE IN ACTIVATION ANALYSIS, UNIVERSITY OF GLASGOW, NO. 2, 12 AUGUST 1964. (ENGLISH). GLASGOW, SCOTLAND.

801 NATO ADVANCED STUDY INSTITUTE
A DAY IN GLASGOW.
NATO ADVANCED STUDY INSTITUTE IN ACTIVATION ANALYSIS, UNIVERSITY OF GLASGOW, NO. 3, 14 AUGUST 1964. (ENGLISH). GLASGOW, SCOTLAND.

802 BARO, G.B. * GOMEZ, H. * RUDELLI, M. * DEIBE, J.
ACTIVATION ANALYSIS OF ARSENIC IN HUMAN HAIR AND NAILS.
REPUBLICA ARGENTINA COMISION NACIONAL DE ENERGIA ATOMICA, INFORME NO. 107, 8P. (1964). (SPANISH) (ENGLISH SUMMARY). COMISION NACIONAL DE ENERGIA ATOMICA, BUENOS AIRES.

803 COJOCARU, V. * CRISTU, M. * DORCIOMAN, D. * BADANOIU, M.
DETERMINATION OF ACTIVATED IMPURITIES IN SEMICONDUCTOR-GRADE SILICON BY GAMMA-SPECTROGRAPHY.
ACAD. REP. POPULARE ROMINE, INST. FIZ., ATOMIC SI INST. FIZ. STUDII CERCETARI FIZ., 11, 447-454 (1960). (RUMANIAN). RUMANIA.

804 YAMADA, Y. * MIYAGUCHI, M.
ACTIVATION ANALYSIS FOR TRACE ELEMENTS IN PLANTS AND SOILS.
THE THIRD JAPAN CONFERENCE ON RADIOISOTOPES, JRIA 59/P-103 S-3 (1961). (ENGLISH). FACULTY OF AGRICULTURE, KYUSHU UNIVERSITY, JAPAN.

805 GOTO, H. * IKEDA, S. * AMANO, H.
APPLICATION OF ORGANIC COPRECIPITATION METHOD TO RADIOACTIVATION ANALYSIS (DETERMINATION OF COPPER, GALLIUM, ANTIMONY, ARSENIC AND SILVER IN HIGH PURE METALLIC SILICON).
THE THIRD JAPAN CONFERENCE ON RADIOISOTOPES, JRIA 59/P-101 S-1 (1961). (ENGLISH). INSTITUTE FOR IRON, STEEL AND OTHER METALS, TOHOKU UNIVERSITY, JAPAN.

806 KOBAYASHI, M. * NATSUME, H.
NEUTRON ACTIVATION ANALYSIS OF THE IMPURITIES IN ALUMINUM.
THE THIRD JAPAN CONFERENCE ON RADIOISOTOPES, JRIA 59/P-28 T-28 (1961). (ENGLISH). THE ISOTOPES CENTER OF THE TOKYO METROPOLITAN OFFICE, THE TOKYO UNIVERSITY, JAPAN.

807 AMIEL, S.
ACTIVATION ANALYSIS WITH A NUCLEAR REACTOR, NOT BASED ON (N, GAMMA) REACTIONS,
CHEMISTRY RESEARCH AND CHEMICAL TECHNIQUES BASED ON RESEARCH REACTORS, TECHNICAL REPORTS SERIES, NO. 17, 115-135 (1963). (ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES). ISRAEL ATOMIC ENERGY COMMISSION, SOREQ RESEARCH ESTABLISHMENT, REHOVOTH, ISRAEL.

808 AMIEL, S.
ANALYTICAL APPLICATIONS OF DELAYED NEUTRON EMISSION IN FISSIONABLE ELEMENTS,
ANAL. CHEM., 34, 1683-1692 (1962), (ENGLISH), ISRAEL ATOMIC ENERGY COMMISSION/LABORATORIES, REHOVOTH, ISRAEL.

809 NATO ADVANCED STUDY INSTITUTE
THE SHORT WEEKEND,
NATO ADVANCED STUDY INSTITUTE IN ACTIVATION ANALYSIS, UNIVERSITY OF GLASGOW, NO, 4, 17 AUGUST 1964, (ENGLISH), GLASGOW, SCOTLAND,

810 OAK RIDGE NATIONAL LABORATORY
ORNL ANALYTICAL CHEMISTRY DIVISION RESEARCH AND DEVELOPMENT QUARTERLY PROGRESS REPORT FOR PERIOD ENDING JUNE 15, 1962 - DIVISION OF ISOTOPES DEVELOPMENT PROGRAM,
ORNL CF 62-6-74, 17P., JUNE 29, 1962, (ENGLISH), OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

811 KAISER, D.
PRELIMINARY INVESTIGATIONS ON (N,2N) REACTIONS FOR ACTIVATION ANALYSIS OF CARBON, NITROGEN AND OXYGEN.
AECU-4438, PROGRESS REPORT NO, 8, 96-100, NOVEMBER 1, 1959, (ENGLISH), UNIVERSITY OF MICHIGAN, ANN ARBOR, MICH,

812 NGUYEN-LONG-DEN, M, * BUROT, M, * ALBERT, P,
NEW METHOD OF DETERMINATION OF SODIUM IN HIGH PURITY ALUMINUM,
COMPT. REND., 253, 2067-2068 (1961), (FRENCH), FRANCE.

813 MARCHART, H, * HECHT, F,
DETERMINATION OF COPPER, MANGANESE, AND COBALT IN URANIUM SOLUTION BY MEANS OF NEUTRON ACTIVATION,
MONATSHEFTE CHEM., 95, 742-749 (1964), (GERMAN), ANALYTISCHEN INSTITUT DER UNIVERSITAT WIEN,

814 ALBERT, P, * ENGELMANN, C, * MAY, S. * PETIT, J,
ANALYSIS OF OXYGEN, CARBON, AND NITROGEN BY ACTIVATION BY MEANS OF GAMMA, N REACTION,
COMPT, REND,, 254, 119-121 (1962), (FRENCH), LABORATOIRE DE VITRY DU C.N.R.S, ET CENTRE D ETUDES NUCLEAIRES DE SACLAY, FRANCE,

815 DESCHAMPS, N, * LOEILLOT, A, * ALBERT, P,
SYSTEMATIC ANALYSIS OF ALUMINUM AFTER IRRADIATION WITH NEUTRONS,
COMPT, REND,, 254, 682-684 (1962), (FRENCH), FRANCE,

816 MORRIS, D.F.C,
NEUTRON-ACTIVATION ANALYSIS,
METALLURGICAL REVIEWS, 7, NO, 26, 241-281 (ENGLISH), BRUNEL COLLEGE, LONDON, W.3., ENGLAND,

817 NICHIPORUK, W, * BROWN, H,
PLATINUM AND IRIDIUM ABUNDANCES IN METEORITES,
PHYS, REV, LTRS,, 9, NO, 6, 245-246 (1962), (ENGLISH), S. MUDD LABORATORY OF GEOLOGICAL SCIENCES, CALIFORNIA INSTITUTE OF TECHNOLOGY, PASADENA, CALIF,

818 AALBERTS, J.H, * VERHEIJKE, M.L,
THE SOLID SOLUBILITY OF NICKEL IN SILICON DETERMINED BY NEUTRON ACTIVATION ANALYSIS,
APPL, PHYS, LTRS,, 1, NO, 1, 19-20 (1962), (ENGLISH), PHILIPS RESEARCH LABORATORIES, N.V, PHILIPS GLOEILAMPENFABRIEKEN, EINDHOVEN-NETHERLANDS,

819 DYER, F.F, * EMERY, J.F, * LEDDICOTTE, G.W,
A COMPREHENSIVE STUDY OF THE NEUTRON ACTIVATION ANALYSIS OF URANIUM BY DELAYED-NEUTRON COUNTING,
ORNL-3342, 71P., OCTOBER 2, 1962, (ENGLISH), OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN,

820 HAMAGUCHI, H, * KURODA, R, * SHIMIZU, T, * TSUKAHARA, I, * YAMAMOTO, R,
VALUES FOR TRACE ELEMENTS IN G-1 AND W-1 WITH NEUTRON ACTIVATION ANALYSIS--II, MO, SN, TA, W,
GEOCHIM, COSMOCHIM, ACTA, 26, 503-505 (1962), (ENGLISH), TOKYO UNIVERSITY OF EDUCATION, KOISHIKAWA, TOKYO, JAPAN,

821 FOURNET, L. * DESCHAMPS, N. * ALBERT, P.
DETERMINATION OF ALUMINUM, VANADIUM, MAGNESIUM,
AND TITANIUM IN METALS IRRADIATED WITH NEUTRONS.
COMPT. REND., 254, 1640-1642 (1962), (FRENCH),
LABORATOIRE DE VITRY DU C.N.R.S., FRANCE.

822 MOORE, F.L. * ELDRIDGE, J.S.
DIRECT NONDESTRUCTIVE METHOD FOR DETERMINATION OF
CALIFORNIUM-252, APPLICATION OF PROMPT GAMMA RAYS
FROM SPONTANEOUS FISSION.
ANAL. CHEM., 36, 808-811 (1964), (ENGLISH).
ANALYTICAL CHEMISTRY DIVISION, OAK RIDGE NATIONAL
LABORATORY, OAK RIDGE, TENN.

823 FUKAI, R.
ACTIVATION ANALYSIS OF COBALT IN ALUMINUM-COBALT
FOIL.
AECU-4438, 86-88, NOVEMBER 1, 1959, (ENGLISH),
UNIVERSITY OF MICHIGAN, ANN ARBOR, MICH.

824 OKADA, M.
BASIC STUDY ON ACTIVATION ANALYSIS, (II) GAMMA-RAY
SPECTRA OF SHORT-LIVED NUCLIDES PRODUCED BY
NEUTRON IRRADIATION.
TOKYO KOGYO SHIKENSHO HOKOKU, 58, NO. 2, 64-75
(1963). (JAPANESE) (ENGLISH SUMMARY), GOVERNMENT
CHEMICAL INDUSTRIAL RESEARCH INSTITUTE, TOKYO,
JAPAN.

825 NIESE, S.
DETERMINATION OF COPPER IN GALLIUM ARSENIDE BY
ACTIVATION ANALYSIS.
KERNENERGIE, 7, 263 (1964), (GERMAN),
ZENTRALINSTITUT FUR KERNFORSCHUNG, ROSSENDORF,
GERMANY.

826 AOKI, F. * OKADA, M.
METHOD OF THE CHOICE OF QUOTE COOLING TIME QUOTE
TO REDUCE INTERFERING ACTIVITY IN NEUTRON
ACTIVATION ANALYSIS.
THE FOURTH JAPAN CONFERENCE ON RADIOISOTOPES,
KYOTO, PAPER P AND C-11, 531-538 (1961), (JAPANESE
AND ENGLISH). GOVERNMENT CHEMICAL INDUSTRIAL
RESEARCH INSTITUTE, TOKYO, HON-MACHI, SHIBUYA-KU,
TOKYO, JAPAN.

827 TSJJI, H. * KUSAKA, Y. * NAMIKAWA, Y.
RADIOACTIVATION ANALYSIS OF BROMINE AND IODINE IN ORGANIC COMPOUNDS USING A LOW-LEVEL NEUTRON SOURCE.
BULL. CHEM. SOC, JAPAN, 35, NO, 12, 2045-2047 (1962). (ENGLISH), DEPARTMENT OF CHEMISTRY, FACULTY OF SCIENCE, KONAN UNIVERSITY, HIGASHINADA-KU, KOBE, JAPAN,

828 LINDNER, M.
RESONANCE NEUTRON ACTIVATION MEASUREMENTS.
PNE-113P, 42P., FEBRUARY 5, 1962, (ENGLISH), LAWRENCE RADIATION LABORATORY, UNIVERSITY OF CALIFORNIA, LIVERMORE, CALIF.

829 SOREMARK, R. * SAMSAHL, K.
ANALYSIS OF INORGANIC CONSTITUENTS IN DENTAL CALCULUS BY MEANS OF NEUTRON ACTIVATION AND GAMMA-RAY SPECTROMETRY.
J. DENTAL RES., 41, NO. 3, 596-602 (1962), (ENGLISH). CLINICAL LABORATORY AND DEPARTMENT OF PROSTHETICS OF THE ROYAL SCHOOL OF DENTISTRY AND AB ATOMENERGI, STOCKHOLM, SWEDEN.

830 SOREMARK, R. * SAMSAHL, K.
GAMMA-RAY SPECTROMETRIC ANALYSIS OF ELEMENTS IN NORMAL HUMAN ENAMEL.
ARCH. ORAL BIOL., SPECIAL SUPPL., 6, 275-283 (1961). (ENGLISH) (GERMAN SUMMARY). THE CLINICAL LABORATORY AND THE DEPARTMENT OF PROTHETICS OF THE ROYAL SCHOOL OF DENTISTRY AND AB ATOMENERGY, STOCKHOLM, SWEDEN.

831 NIESE, S.
THE GAMMA SPECTROMETRIC DETERMINATION OF SODIUM IN SILICON AND SILICON DIOXIDE.
KERNENERGIE, 7, 105-108 (1964), (GERMAN). MITTEILUNG AUS DEM ZENTRALINSTITUT FUR KERNFORSCHUNG, BEREICH RADIOCHEMIE, ROSSENDORF BEI DRESDEN, GERMANY.

832 LUX, F.
ACTIVATION ANALYSIS DETERMINATION OF SILICON IN MATERIALS WITH HIGH CADMIUM CONTENT. I. THE ELECTROLYTIC SEPARATION OF SILVER FROM CADMIUM.
RADIOCHIM. ACTA, 1, NO. 1, 20-27 (1962), (GERMAN) (ENGLISH AND FRENCH SUMMARIES). INSTITUT FUR RADIOCHEMIE DER TECHNISCHEN HOCHSCHULE MUNCHEN.

833 LAVERLOCHERE, J.
SOME APPLICATIONS OF GAMMA SPECTROMETRY IN
ANALYTICAL CHEMISTRY,
MICROTECHNIC, 16, NO, 262 (1962), (FRENCH), CENTRE
D ETUDES NUCLEAIRES DE GRENOBLE, SECTION D
APPLICATION DES RADIOELEMENTS, GRENOBLE, FRANCE.

834 LAVERLOCHERE, J.
ANALYSIS OF SOME IMPURITIES IN ALUMINUM BY NEUTRON
RADIOACTIVATION,
CHIM. ANAL., 9, 388-391 (1962), (FRENCH), CENTRE D
ETUDES NUCLEAIRES DE GRENOBLE, SECTION D
APPLICATION DES RADIOELEMENTS, GRENOBLE, FRANCE.

835 LAVERLOCHERE, J.
ACTIVATION ANALYSIS,
MICROTECNIC, 16, NO, 5, 1-8 (1962), (FRENCH),
CENTRE D ETUDES NUCLEAIRES DE GRENOBLE, FRANCE.

836 LAVERLOCHERE, J.
ACTIVATION ANALYSIS, 2. APPLICATIONS,
MICROTECNIC, 16, NO, 6, 1-9 (1962), (FRENCH),
CENTRE D ETUDES NUCLEAIRE DE GRENOBLE, FRANCE.

837 NUCLEAR-CHICAGO CORPORATION
MODEL NH3 NEUTRON HOWITZER,
NUCLEAR-CHICAGO CORPORATION BROCHURE, UNDATED,
(ENGLISH), NUCLEAR-CHICAGO CORPORATION,
DESPLAINES, ILLINOIS.

838 ABE, T. * SATO, K, * OI, N,
DETERMINATION OF EPITAXIAL-LAYER IMPURITY
DISTRIBUTION BY NEUTRON ACTIVATION METHOD,
JAPAN J. APPL. PHYS., 4, 70-71 (JAN, 1965),
(ENGLISH), SEMICONDUCTOR ENGINEERING DEPT., TOKYO
SHIBAURA ELECTRIC CO., LTD., KAWASAKI, JAPAN.

839 SHNEOUR, E.A.
ON THE USE OF THE NUCLEAR ACTIVATION REACTION O-18
(ALPHA, N) NE-21 FOR O-18 ANALYSIS,
UCRL-10634, 49-55 (1962), (ENGLISH), UCRL,
LIVERMORE, CALIF.

840 GILAT, J. * GURFINKEL, Y.
SELF-SHIELDING EFFECTS IN ACTIVATION ANALYSIS,
IA-756, 24P., DECEMBER 1962, (ENGLISH), NUCLEAR
CHEMISTRY DEPARTMENT, ISRAEL ATOMIC ENERGY
COMMISSION.

841 AMIEL, S. * PEISACH, M, ANALYTICAL ASPECTS OF DELAYED NEUTRON EMISSION, IA-784, 35P., OCTOBER 1962, (ENGLISH), ISRAEL ATOMIC ENERGY COMMISSION, SOREQ RESEARCH ESTABLISHMENT,

842 AMIEL, S, * PEISACH, M, RADIOACTIVATION ANALYSIS OF SODIUM BY COUNTING PHOTONEUTRONS, IA-799, 28P., FEBRUARY 1963, (ENGLISH), ISRAEL ATOMIC ENERGY COMMISSION, SOREQ RESEARCH ESTABLISHMENT,

843 AMIEL, S, * GILAT, J, THE REACTIONS O-17 (N,P) N-17 AND O-18 (N,D) N-17 WITH REACTOR NEUTRONS, IA-755, 20P., FEBRUARY 1963, (ENGLISH), ISRAEL ATOMIC ENERGY COMMISSION, SOREQ RESEARCH ESTABLISHMENT,

844 KAISER, D, PRELIMINARY INVESTIGATIONS OF THE ACTIVATION ANALYSIS OF TRACE SELENIUM IN TISSUE USING SE-77M, SE-79M, AND SE-81M, AECU-4438, 94-96 (1959), (ENGLISH), UNIVERSITY OF MICHIGAN, ANN ARBOR, MICH,

845 FITE, L.E, * STEELE, E,L, * WAINERDI, R,E, INVESTIGATIONS IN AUTOMATED ACTIVATION ANALYSIS, TEES-2671-2, NOVEMBER 1, 1962, (ENGLISH), ACTIVATION ANALYSIS RESEARCH LABORATORY, TEXAS A AND M,

846 GUINN, V,P, REACTOR-PRODUCED SHORT-LIVED RADIOISOTOPES USED IN NEUTRON ACTIVATION ANALYSIS, PRODUCTION AND USE OF SHORT-LIVED RADIOISOTOPES FROM REACTORS (PROCEEDINGS OF A SEMINAR, VIENNA, 5-9 NOVEMBER 1962), VOL, II, 3-28 (1963), (ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES), GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORP., SAN DIEGO, CALIF,

847 NATO ADVANCED STUDY INSTITUTE BEST EVER EXHIBIT, COMMENT FROM CHICAGO, NATO ADVANCED STUDY INSTITUTE IN ACTIVATION ANALYSIS, UNIVERSITY OF GLASGOW, NO, 5, 24 AUGUST 1964, (ENGLISH), GLASGOW, SCOTLAND,

848 LOOS, R.
ACTIVATION ANALYSIS AND DETERMINATION OF
SHORT-LIVED ISOTOPES.
PRODUCTION AND USE OF SHORT-LIVED RADIOISOTOPES
FROM REACTORS (PROCEEDINGS OF A SEMINAR, VIENNA,
5-9 NOVEMBER 1962), VOL. II, 45-51 (1963).
(FRENCH) (ENGLISH, RUSSIAN AND SPANISH SUMMARIES).
DEPARTMENT DE PHYSIQUE, UNIVERSITE LOVANIUM,
CONGO, LEOPOLDVILLE.

849 PETIT, J. * ENGELMANN, C.
DETERMINING TRACES OF IMPURITIES IN BERYLLIUM BY
NON-DESTRUCTIVE METHODS.
PRODUCTION AND USE OF SHORT-LIVED RADIOISOTOPES
FROM REACTORS (PROCEEDINGS OF A SEMINAR, VIENNA,
5-9 NOVEMBER 1962), VOL. II, 29-37 (1963).
(FRENCH) (ENGLISH, RUSSIAN AND SPANISH SUMMARIES).
CENTRE D ETUDES NUCLEAIRES, SACLAY, FRANCE.

850 BAKER, C.A.
SOME TECHNIQUES FOR THE DETERMINATION OF ISOTOPES
OF SHORT HALF-LIFE AS APPLIED TO THE ACTIVATION
ANALYSIS OF BERYLLIUM.
PRODUCTION AND USE OF SHORT-LIVED RADIOISOTPES
FROM REACTORS (PROCEEDINGS OF A SEMINAR, VIENNA,
5-9 NOVEMBER 1962), VOL. II, 39-44 (1963).
(ENGLISH) FRENCH, RUSSIAN AND SPANISH SUMMARIES).
UKAEA (RESEARCH GROUP), LONDON, ENGLAND.

851 ALBERT, P. * DEYRIS, M. * DESCHAMPS, N. *
FOURNET, L.
USE OF SHORT-LIVED RADIOISOTOPES TO DETERMINE
IMPURITIES IN ALUMINUM, IRON AND ZIRCONIUM OF VERY
HIGH PURITY.
PRODUCTION AND USE OF SHORT-LIVED RADIOISOTOPES
FROM REACTORS (PROCEEDINGS OF A SEMINAR, VIENNA,
5-9 NOVEMBER 1962), VOL. II, 53-71 (1963).
(FRENCH) (ENGLISH, RUSSIAN AND SPANISH SUMMARIES).
CENTRE D ETUDES DE CHIMIE METALLURGIQUE, VITRY,
FRANCE.

852 GIBBONS, D. * SIMPSON, H.
THE USE OF SHORT-LIVED RADIOACTIVE ISOTOPES IN AN
ACTIVATION ANALYSIS SERVICE PROGRAMME.
PRODUCTION AND USE OF SHORT-LIVED RADIOISOTOPES
FROM REACTORS (PROCEEDINGS OF A SEMINAR, VIENNA,
5-9 NOVEMBER 1962), VOL. II, 95-109 (1963).
(ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES).
WANTAGE RESEARCH LABORATORY, WANTAGE, ENGLAND.

853 BARTHOMEUF, D. * BUSSIERE, P. * LAVERLOCHERE, J.
ROUTINE NEUTRON RADIOACTIVATION ANALYSIS.
NON-DESTRUCTIVE ASSAY OF SODIUM, AT MEDIUM CONCENTRATIONS, IN SMALL SAMPLES OF SILICA - ALUMINA GELS AND IN SOLUTIONS.
PRODUCTION AND USE OF SHORT-LIVED RADIOISOTOPES FROM REACTORS (PROCEEDINGS OF A SEMINAR, VIENNA, 5-9 NOVEMBER 1962), VOL. II, 79-93 (1963).
(FRENCH) (ENGLISH, RUSSIAN AND SPANISH SUMMARIES).
INSTITUT DE RECHERCHES SUR LA CATALYSE, VILLEURBANNE, FRANCE.

854 DAS, H.A.
THE USE OF THE 10-KW ARGONAUT REACTOR AT PETTEN FOR RADIOACTIVATION, INCLUDING THE QUANTITATIVE ASPECTS OF SHORT-TIME IRRADIATIONS.
PRODUCTION AND USE OF SHORT-LIVED RADIOISOTOPES FROM REACTORS (PROCEEDINGS OF A SEMINAR, VIENNA, 5-9 NOVEMBER 1962), VOL. II, 111-125 (1963).
(ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES).
REACTOR CENTRUM NEDERLAND, PETTEN, NETHERLANDS.

855 PLAKSIN, M.A. * BELYAKOV, M.A. * STARCHIK, L.P.
THE USE OF GAMMA SPECTROSCOPY FOR THE DETERMINATION OF BERYLLIUM, BORON, AND FLUORINE IN BENEFICIATED ORES FROM THE GAMMA RADIATION ACCOMPANYING THE INTERACTION OF THE NUCLEI OF THESE ELEMENTS WITH ALPHA RADIATION.
ATOMIC ENERGY, USSR, 13, NO. 10, 984-987 (1962).
(ENGLISH TRANSLATION), RUSSIA.

856 MATSUMURA, Y.
RADIOACTIVATION ANALYSIS OF STRONTIUM IN RAT-BONE ASH.
PRODUCTION AND USE OF SHORT-LIVED RADIOISOTOPES FROM REACTORS (PROCEEDINGS OF A SEMINAR, VIENNA, 5-9 NOVEMBER 1962), VOL. II, 137-144 (1963).
(ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES).
TOKYO WOMENS MEDICAL COLLEGE, TOKYO, JAPAN.

857 BOCK-WERTHMANN, W.
AED INFORMATION SERVICE, SERIES C BIBLIOGRAPHIES AED-C-14-03, 209P., FEBRUARY 1964. (ENGLISH).
HAHN-MEITNER INSTITUT FUR KERNFORSCHUNG BERLIN, GERMANY.

858 SHAMAEV, V.I. * SAUNKIN, O.F.
DETERMINATION OF MICRO CONCENTRATIONS OF GOLD IN HIGH-PURITY SELENIUM.
IZV. VYSSH. UCHEB. ZAVEDENII KHIM. I KHIM. TEKHNOL., 3, NO. 1, 66-68 (1960). (RUSSIAN). RUSSIA.

859 LEDDICOTTE, G.W. * WAHL, W.H.
AN EVALUATION OF THE POTENTIALS OF NEUTRON ACTIVATION ANALYSIS IN COSMETIC CHEMISTRY.
J. SOC. COSMETIC CHEMISTS, 16, NO. 10, 571-587 (1965). (ENGLISH). UNION CARBIDE CORP., NUCLEAR RESEARCH CENTER, TUXEDO, N.Y.

860 BARRALL, E.M., II * PORTER, R.S. * JOHNSON, J.F.
GAS CHROMATOGRAPHIC ANALYSIS OF POLY (ETHYLENE ETHYL ACRYLATE) AND POLY (ETHYLENE VINYL ACETATE) PYROLYZATES.
ANAL. CHEM., 35, 73-76 (1963). (ENGLISH). CALIFORNIA RESEARCH CORP., RICHMOND, CALIF.

861 LUKENS, H.R., JR. * OTVOS, J.W. * WAGNER, C.D.
FORMATION OF METASTABLE ISOMERS BY PHOTOACTIVATION WITH THE VAN DE GRAAFF ACCELERATOR.
INTERN. J. APPL. RAD. AND ISOTOPES, 11, 30-37 (1961). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN SUMMARIES). SHELL DEVELOPMENT CO., EMERYVILLE, CALIF.

862 BORG, D.C. * SEGEL, R.E. * KIENLE, P. * CAMPBELL, L.
SELECTIVE RADIOACTIVATION AND MULTIPLE COINCIDENCE SPECTROMETRY IN THE DETERMINATION OF TRACE ELEMENTS IN BIOLOGICAL MATERIAL. MEASUREMENT OF MANGANESE.
INTERN. J. APPL. RAD. AND ISOTOPES, 11, 10-29 (1961). (ENGLISH). (FRENCH, RUSSIAN AND GERMAN SUMMARIES). MEDICAL, REACTOR, AND INSTRUMENTATION AND HEALTH PHYSICS DEPARTMENTS, BROOKHAVEN NATIONAL LABORATORY, UPTON, NEW YORK.

863 STALLWOOD, R.A. * MOTT, W.E. * FANALE, D.T.
DETERMINATION OF THE TOTAL OXYGEN CONTENT OF ORGANIC MATERIALS BY FAST NEUTRON ACTIVATION.
ANAL. CHEM., 35, 6-10 (1963). (ENGLISH). GULF RESEARCH AND DEVELOPMENT CO., PITTSBURGH, PA.

864 BLACKBURN, R. * PETERS, B.F.G.
DETERMINATION OF PHOSPHORUS IN HYPEREUTECTIC ALUMINUM-SILICON ALLOYS BY A NEUTRON ACTIVATION METHOD.
ANAL. CHEM., 35, 10-13 (1963), (ENGLISH), TUBE INVESTMENTS RESEARCH LABORATORIES, HINXTON HALL, CAMBRIDGE, ENGLAND,

865 ADAMS, F.
FABRICATION, PROPERTIES AND APPLICATIONS OF GE(LI) GAMMA DETECTORS,
ATOMIC ENERGY REVIEW, 5, NO. 4, 31-92 (1967), (ENGLISH). INSTITUTES FOR NUCLEAR SCIENCES, STATE UNIVERSITY OF GHENT, GHENT, BELGIUM,

866 DECAT, D. * VAN ZANTEN, B. * LELIAERT, G.
DETERMINATION OF TRACE QUANTITIES OF URANIUM BY NEUTRON ACTIVATION ANALYSIS,
ANAL. CHEM., 35, 845-847 (1963), (ENGLISH), CHEMISTRY DEPARTMENT, CENTRE D ETUDE DE L ENERGIE NUCLEAIRE, MOL, BELGIUM,

867 BAILEY, R.F. * ROSS, D.A.
DETERMINATION OF OXYGEN IN GALLIUM ARSENIDE BY NEUTRON ACTIVATION ANALYSIS,
ANAL. CHEM., 35, 791-794 (1963), (ENGLISH), RCA LABORATORIES, PRINCETON, N.J.

868 AMIEL, S. * PEISACH, M.
OXYGEN-18 DETERMINATION BY COUNTING DELAYED NEUTRONS OF NITROGEN-17,
ANAL. CHEM., 35, 323-327 (1963), (ENGLISH), SOREQ RESEARCH ESTABLISHMENT, ISRAEL ATOMIC ENERGY COMMISSION, REHOVOTH, ISRAEL.

869 ISAEVA, E.A. * MAKASHEVA, I.E. * MASLOV, I.A. * OBUKHOV, A.P.
CHEMICAL IDENTIFICATION OF PHOSPHORUS AND THALLIUM DURING QUANTITATIVE NEUTRON ACTIVATION ANALYSIS,
RADIOKHIMIYA, 4, NO. 3, 345-350 (1962), (RUSSIAN), RUSSIA.

870 KALININ, A.I. * KUZNETSOV, R.A. * MOISEEV, V.V.
ACTIVATION ANALYSIS OF SILICON DIOXIDE.
RADIOKHIMIYA, 4, NO. 5, 575-581 (1962), (RUSSIAN), RUSSIA.

871 NEGINA, V.R. * ZAMYATNINA, V.N. * EGOROVA, A.A.
DETERMINATION OF CHLORINE, ARSENIC AND PHOSPHORUS PRESENT AS IMPURITIES IN SOME ORGANIC MATERIALS BY THE ACTIVATION METHOD.
RADIOKHIMIYA, 5, NO. 2, 270-272 (1963).
(RUSSIAN). RUSSIA.

872 LAVERLOCHERE, J.
GENERAL REPORT IRRADIATION.
COMPTES RENDUS DES JOURNEES D ETUDES SUR L ANALYSE PAR ACTIVATION, GRENOBLE, FRANCE, PRESSES UNIVERSITAIRES DE FRANCE, 17-22, MAY 1961.
(FRENCH). S.A.R. CENTRE D ETUDES NUCLEAIRES DE GRENOBLE, FRANCE.

873 CIUFFOLOTTI, L.
SENSITIVITY OF DETECTION IN ANALYSIS BY NEUTRON ACTIVATION BY MEANS OF SHORT-LIVED RADIOISOTOPES.
COMPTES RENDUS DES JOURNEES D ETUDES SUR L ANALYSE PAR ACTIVATION, GRENOBLE, FRANCE, PRESSES UNIVERSITAIRES DE FRANCE, 23-24, MAY 1961.
(FRENCH). SORIN CENTRE DE RECHERCHES NUCLEAIRES - SALLUGIA - ITALY.

874 CHINAGLIA, B.
PREPARATION OF STANDARDS FOR IRRADIATION IN ANALYSIS BY NEUTRON ACTIVATION.
COMPTES RENDUS DES JOURNEES D ETUDES SUR L ANALYSE PAR ACTIVATION, GRENOBLE, FRANCE, PRESSES UNIVERSITAIRES DE FRANCE, 25, MAY 1961. (FRENCH). SORIN, CENTRE DE RECHERCHES NUCLEAIRES, SALLUGIA, ITALY.

875 COLEMAN, R.F.
ACTIVATION ANALYSIS WITH FAST NEUTRONS.
COMPTES RENDUS DES JOURNEES D ETUDES SUR L ANALYSE PAR ACTIVATION, GRENOBLE, FRANCE, PRESSES UNIVERSITAIRES DE FRANCE, 27-28, MAY 1961.
(ENGLISH). UKAEA, ALERMASTON, ANGLETERRE, ENGLAND.

876 GERBIER, R.
PRODUCTION OF 14 MEV NEUTRONS.
COMPTES RENDUS DES JOURNEES D ETUDES SUR L ANALYSE PAR ACTIVATION, GRENOBLE, FRANCE, PRESSES UNIVERSITAIRES DE FRANCE, 29-30, MAY 1961.
(FRENCH). CHEF DU LABORATOIRE ACCELERATEURS, CEN, GRENOBLE, FRANCE.

877 D HONT, M, * DECAT, D,
PROJECT FOR THE EMPLOYMENT OF INSTALLATIONS FOR THE IRRADIATION OF BR SUB 2 FOR RADIOCHEMICAL STUDIES,
COMPTES RENDUS DES JOURNEES D ETUDES SUR L ANALYSE PAR ACTIVATION, GRENOBLE, FRANCE, PRESSES UNIVERSITAIRES DE FRANCE, 31-36, MAY 1961,
(FRENCH), CENTRE D ETUDES NUCLEAIRES, CEN, MOL, BELGIQUE.

878 MAY, S,
METHODS OF CHEMICAL SEPARATIONS UTILIZED IN ACTIVATION ANALYSIS,
COMPTES RENDUS DES JOURNEES D ETUDES SUR L ANALYSE PAR ACTIVATION, GRENOBLE, FRANCE, PRESSES UNIVERSITAIRES DE FRANCE, 37-50, MAY 1961,
(FRENCH), S,P,C,A, CENTRE ETUDES NUCLEAIRES DE SACLAY, FRANCE,

879 ALBERT, P, * DESCHAMPS, N, * FOURNET, L, * LOEILLOT, A,
ON THE SYSTEMATIC ANALYSIS OF ALUMINUM FOR IRON AND ZIRCONIUM BY ACTIVATION,
COMPTES RENDUS DES JOURNEES D ETUDES SUR L ANALYSE PAR ACTIVATION, GRENOBLE, FRANCE, PRESSES UNIVERSITAIRES DE FRANCE, 51-59, MAY 1961,
(FRENCH), CENTRE D ETUDES DE CHIMIE METALLURGIQUE, LABORATOIRE DE VITRY, FRANCE,

880 DECAT, D, * VAN ZANTEN, B, * LELIAERT, G,
THE DETERMINATION OF TRACE QUANTITIES OF URANIUM BY NEUTRON ACTIVATION ANALYSIS,
COMPTES RENDUS DES JOURNEES D ETUDES SUR L ANALYSE PAR ACTIVATION, GRENOBLE, FRANCE, PRESSES UNIVERSITAIRES DE FRANCE, 61-65, MAY 1961,
(ENGLISH), CENTRE D ETUDE DE L ENERGIE NUCLEAIRE, CHEMISTRY DEPARTMENT, MOL, BELGIQUE,

881 PEART, R.F, * JONA, F, * WENDT, H,R, * SEIRMARCO, J.A.
QUANTITATIVE DETERMINATION OF EVAPORATED SILICON FILMS BY NEUTRON ACTIVATION,
J, APPL, PHYS,, 38, NO, 12, 4927-4928 (1967),
(ENGLISH), IBM WATSOEN RESEARCH CENTER, YORKTOWN HEIGHTS, NEW YORK,

882 COMAR, D. * KELLERSHOHN, C,
APPLICATION OF ANALYSIS BY ACTIVATION FOR
DETERMINATION OF OLIGO ELEMENTS IN BIOLOGICAL
LIQUIDS EFFECTED FOR FREDERIC JOLIOT HOSPITAL
SERVICE.
COMPTES RENDUS DES JOURNEES D ETUDES SUR L ANALYSE
PAR ACTIVATION, GRENOBLE, FRANCE, PRESSES
UNIVERSITAIRES DE FRANCE, 71-76, MAY 1961,
(FRENCH). C,E,A, DEPARTEMENT DE BIOLOGIE, SERVICE
FREDERIC JOLIOT, FRANCE,

883 FASOLO, G,B,
ON SOME RAPID CHEMICAL SEPARATIONS WHICH CAN BE
UTILIZED FOR ANALYSIS BY NEUTRON ACTIVATION,
COMPTES RENDUS DES JOURNEES D ETUDES SUR L ANALYSE
PAR ACTIVATION, GRENOBLE, FRANCE, PRESSES
UNIVERSITAIRES DE FRANCE, 77-79, MAY 1961,
(FRENCH). SORIN, CENTRE DE RECHERCHES NUCLEAIRES,
SALLUGIA, ITALY,

884 MARTINELLI, P,
EVOLUTION OF METHODS OF MEASUREMENT IN ACTIVATION
ANALYSIS.
COMPTES RENDUS DES JOURNEES D ETUDES SUR L ANALYSE
PAR ACTIVATION, GRENOBLE, FRANCE, PRESSES
UNIVERSITAIRES DE FRANCE, 81-91, MAY 1961,
(FRENCH). S,A,R, CENTRE ETUDES NUCLEAIRES SACLAY,
FRANCE.

885 CHINAGLIA, B.
TECHNIQUES OF SPECIAL MEASUREMENT FOR ANALYSIS BY
NEUTRON ACTIVATION.
COMPTES RENDUS DES JOURNEES D ETUDES SUR L ANALYSE
PAR ACTIVATION, GRENOBLE, FRANCE, PRESSES
UNIVERSITAIRES DE FRANCE, 93-95, MAY 1961,
(FRENCH). SORIN, SALUGGIA, ITALY,

886 HOSTE, J, * ADAMS, F, * DE SOETE, D,
GAMMA SPECTROMETRY AFTER PEIRSON APPLICATION TO
ACTIVATION ANALYSIS,
COMPTES RENDUS DES JOURNEES D ETUDES SUR L ANALYSE
PAR ACTIVATION, GRENOBLE, FRANCE, PRESSES
UNIVERSITAIRES DE FRANCE, 97-98, MAY 1961,
(FRENCH), UNIVERSITE DE GRAND, BELGIQUE,

887 FRANZ, I, * LANGHENRICH, W,
MASKING EFFECT, FOREIGN SUBSTANCE CONTENT, AND
STRUCTURE OF VARIOUS SILICON DIODE LAYERS,
TELEFUNKEN ZTG,, 39, 348-358 (1966), (GERMAN),
GERMANY,

888 RANZ, I, * LANGHENRICH, W,
INFLUENCE OF QUARTZ IMPURITIES ON THE CLEANLINESS OF ANNEALED SEMICONDUCTOR SURFACES.
TELEFUNKEN ZTG., 39, 365-369 (1966). (GERMAN).
GERMANY,

889 RISPAL, C,
GENERALITIES ABOUT ACTIVATION ANALYSIS.
COMPTES RENDUS DES JOURNEES D ETUDES SUR L ANALYSE PAR ACTIVATION, GRENOBLE, FRANCE, PRESSES UNIVERSITAIRES DE FRANCE, 107-109, MAY 1961, (FRENCH). S.A.R. CENTRE D ETUDES NUCLEAIRES DE SACLAY, FRANCE,

890 LAVERLOCHERE, J,
PERFORMANCES--COST,
COMPTES RENDUS DES JOURNEES D ETUDES SUR L ANALYSE PAR ACTIVATION, GRENOBLE, FRANCE, PRESSES UNIVERSITAIRES DE FRANCE, 111-115, MAY 1961, (FRENCH). S.A.R., C.E.N., GRENOBLE, FRANCE.

891 CORNUET, R,
INDUSTRIAL APPLICATIONS OF ACTIVATION ANALYSIS.
COMPTES RENDUS DES JOURNEES D ETUDES SUR L ANALYSE PAR ACTIVATION, GRENOBLE, FRANCE, PRESSES UNIVERSITAIRES DE FRANCE, 117-119, MAY 1961, (FRENCH). CHEF DE LA SECTION D APPLICATION DES RADIOELEMENTS, C.E.A., FRANCE,

892 MELLET, M,
APPLICATION OF RADIOACTIVATION FOR THE DETERMINATION OF TRACES IN HIGH PURITY MATERIALS FOR THE ELABORATION OF SEMI-CONDUCTORS AND ELECTRONIC TUBES.
COMPTES RENDUS DES JOURNEES D ETUDES SUR L ANALYSE PAR ACTIVATION, GRENOBLE, FRANCE, PRESSES UNIVERSITAIRES DE FRANCE, 121-124, MAY 1961, (FRENCH). C.N.E.T. ISSY LES MOULINEAUX, FRANCE.

893 HOSTE, J. * LELIAERT, G, * BOUTEU, P,
ACTIVATION ANALYSIS OF MINERAL CONSTITUENTS IN STEEL AND PIG IRON WITH THE AID OF AN INTERNAL STANDARD.
COMPTES RENDUS DES JOURNEES D ETUDES SUR L ANALYSE PAR ACTIVATION, GRENOBLE, FRANCE, PRESSES UNIVERSITAIRES DE FRANCE, 125, MAY 1961, (FRENCH), UNIVERSITE DE GAND, LABORATOIRE DE CHIMIE ANALYTIQUE, BELGIQUE,

894 MATHIEU, R.
ANALYSIS OF MATERIALS IN SEMI-CONDUCTORS.
COMPTES RENDUS DES JOURNEES D ETUDES SUR L ANALYSE
PAR ACTIVATION, GRENOBLE, FRANCE, PRESSES
UNIVERSITAIRES DE FRANCE, 127-128, MAY 1961,
(FRENCH). CENTRE DE RECHERCHES, COMPAGNIE
SAINT-GOBAIN, ANTONY, FRANCE.

895 MALVANO, R.
ANALYSIS BY NEUTRON ACTIVATION -- INDUSTRIAL
APPLICATIONS.
COMPTES RENDES DES JOURNEES D ETUDES SUR L ANALYSE
PAR ACTIVATION, GRENOBLE, FRANCE, PRESSES
UNIVERSITAIRES DE FRANCE, 129-130, MAY 1961,
(FRENCH). SORIN, SALUGGIA, ITALY.

896 KOHN, A.
SOME APPLICATIONS IN METALLURGY.
COMPTES RENDUS DES JOURNEES D ETUDES SUR L ANALYSE
PAR ACTIVATION, GRENOBLE, FRANCE, PRESSES
UNIVERSITAIRES DE FRANCE, 131-132, MAY 1961,
(FRENCH). CHEF DU SERVICE METALLOGRAPHIE SPECIALE,
EMPLOI DES RADIOELEMENTS, A L INSTITUT DE
RECHERCHES DE LA SIDERURGIE, FRANCE.

897 ALBERT, M.
DISCUSSION.
COMPTES RENDUS DES JOURNEES D ETUDES SUR L ANALYSE
PAR ACTIVATION, GRENOBLE, FRANCE, PRESSES
UNIVERSITAIRES DE FRANCE, 133, MAY 1961, (FRENCH),
FRANCE.

898 BRAUN, H. * SCHULZE, W.
AN AUTOMATIC IRRADIATION AND MEASURING EQUIPMENT
FOR RAPID ACTIVATION ANALYSIS WITH 14-MEV
NEUTRONS.
KERNTECHNIK, 9, 289-293 (JULY 1967), (GERMAN).
INSTITUT FUR ANORGANISCHE CHEMIE DER FREIEN
UNIVERSITAT BERLIN, GERMANY.

899 NAKAI, T. * YAJIMA, S. * OKADA, M. * FUJII, I.
ACTIVATION ANALYSIS OF IMPURITIES IN REACTOR
MATERIALS.
SYMPOSIUM ON RADIOCHEMISTRY, UNIVERSITY OF KYOTO,
KYOTO, JAPAN, 1, NOVEMBER 2-3, 1958, (ENGLISH).
JAPAN ATOMIC ENERGY RESEARCH INSTITUTE, TOKYO,
JAPAN.

900 RAKOVIC, M.
COMBINATION OF NEUTRON ACTIVATION ANALYSIS WITH
PAPER CHROMATOGRAPHY, A REVIEW,
CHEM. LISTY, 58, 1141-1146 (1964), (CZECH),
KATEDRA TEKARSKE FYSIKY A NUKLEARNI MEDICINY,
FAKULTA VSEOBECNEHO LEKARSTVI KU, PRAHA,
CZECHOSLOVAKIA.

901 LAVERLOCHERE, J. * MARTINELLI, P.
RADIOACTIVE METHOD OF ANALYSIS,
BULL. D INFORMATION SCIENTIFIQUE ET TECHNIQUE
(PARIS), 1, NO. 5, 50-57 (1961), (FRENCH), FRANCE.

902 JAKOWLEW, J.W. * STERLINSKI, S.
DETERMINATION OF CONTAMINATIONS IN PURE PHOSPHORUS
BY MEANS OF NEUTRON ACTIVATION USING GAMMA-RAY
SPECTROMETRY.
NUKLEONIKA, 7, 141-151 (1962), (RUSSIAN) (POLISH
AND ENGLISH SUMMARIES). POLAND.

903 DABEK, W.
EXPERIMENTAL REACTOR PHYSICS RESEARCH,
NUKLEONIKA, V, NO. 7, 415-438 (1960), (ENGLISH)
(POLISH AND RUSSIAN SUMMARIES), POLISH ACADEMY OF
SCIENCES, INSTITUTE OF NUCLEAR RESEARCH, REACTOR
ENGINEERING DEPARTMENT, WARSZAWA, POLAND.

904 BARANOV, V.I. * KHRISTIANOV, V.K. * KARASEV, B.V. *
KOROBOV, S.S
NEUTRON BOROMETRIC PROFILING,
GEOCHEMISTRY, 6, 586-595 (1960), (ENGLISH
TRANSLATION). V.I. VERNADSKII INSTITUTE OF
GEOCHEMISTRY AND ANALYTICAL CHEMISTRY, ACADEMY OF
SCIENCES USSR, MOSCOW, RUSSIA.

905 IVANOVA, V.F. * KIRNOZOV, F.F.
APPLICATION OF NEUTRON LOGGING IN GEOCHEMICAL
PROSPECTING FOR BORON DEPOSITS AND ANALYSIS OF
BORON.
GEOCHEMISTRY, 7, 647-653 (1961), (ENGLISH
TRANSLATION). V.I. VERNADSKII INSTITUTE OF
GEOCHEMISTRY AND ANALYTICAL CHEMISTRY, ACADEMY OF
SCIENCES USSR, MOSCOW, RUSSIA.

906 MONNIER, D. * HAERDI, W. * VOGEL, J.
PRELIMINARY STUDY OF THE DETERMINATION OF ELEMENTS
BY NEUTRON ACTIVATION, BASED UPON THE FORMATION OF
SHORT-LIVED ISOTOPES RAPID SEPARATION AND
DETERMINATION OF LOSSES.
HELV. CHIM. ACTA, 44, 897-903 (1961), (FRENCH).
(ENGLISH SUMMARY). LABORATOIRE DE CHIMIE MINERALE,
DE CHIMIE ANALYTIQUE ET DE MICROCHIMIE, DE L
UNIVERSITE DE GENEVE.

907 JOWANOVITZ, L.S. * MC NATT, F.B. * MC CARLEY, R.E.
* MARTIN, D.S., JR.
NEUTRON ACTIVATION ANALYSIS FOR IRIDIUM IN
PLATINUM.
ANAL. CHEM., 32, 1270-1272 (1960). (ENGLISH).
INSTITUTE FOR ATOMIC RESEARCH AND DEPARTMENT OF
CHEMISTRY, IOWA STATE UNIVERSITY, AMES, IOWA.

908 BOWIE, S.H.U. * BISBY, H. * BURKE, K.C. * HALE, F.H.
ELECTRONIC INSTRUMENTS FOR DETECTING AND ASSAYING
BERYLLIUM ORES.
TRANS. INST. OF MINING AND METALLURGY, 69, 345-359
(1960). (ENGLISH). ATOMIC ENERGY DIVISION,
GEOLOGICAL SURVEY OF GREAT BRITAIN.

909 HASKIN, L.A. * FEARING, H.W. * ROWLAND, F.S.
NEUTRON ACTIVATION ANALYSIS FOR U-235, ESPECIALLY
IN LIMESTONES, BY MEASUREMENT OF XE-133.
ANAL. CHEM., 33, 1298-1301 (1961). (ENGLISH).
DEPARTMENT OF CHEMISTRY, UNIVERSITY OF KANSAS,
LAWRENCE, KAN.

910 HALVERSON, G. * SHTASEL, A.
ACTIVATION ANALYSIS OF TANTALUM IN A NIOBIUM
MATRIX.
ANAL. CHEM., 33, 1627-1628 (1961). (ENGLISH).
RESEARCH DIVISION FANSTEEL METALLURGICAL CORP.,
NORTH CHICAGO, ILL.

911 SAVEL, P.
DETERMINATION OF ARSENIC IN HAIR BY
RADIOACTIVATION ANALYSIS.
ANN. PHARM. FRANC., 21, 303-308 (1963). (FRENCH).
LABORATOIRES DE PHYSIQUE NUCLEAIRE, COLLEGE DE
FRANCE ET ORSAY, FRANCE.

912 THOMPSON, B.A.,
DETERMINATION OF OXIDE FILM THICKNESS BY PROTON ACTIVATION.
ANAL. CHEM., 33, 583-586 (1961), (ENGLISH).
GENERAL ENGINEERING LABORATORY, GENERAL ELECTRIC CO., SCHENECTADY, N.Y.

913 WINCHESTER, J.W. * BOTTINO, M.L.
DETERMINATION OF CARBON, OXYGEN, AND SILICON IN SOLIDS BY ACTIVATION ANALYSIS WITH 15-M.E.V. DEUTERONS.
ANAL. CHEM., 33, 472-473 (1961), (ENGLISH).
DEPARTMENT OF GEOLOGY AND GEOPHYSICS, MIT, CAMBRIDGE, MASS.

914 SHIDELER, R.W. * MEINKE, W.W.
AN ULTRA HIGH SPEED REACTOR-IRRADIATION-TRANSPORT SYSTEM FOR ACTIVATION ANALYSIS.
TRANS. AM. NUCL. SOC., 7, 329-330 (1964), (ENGLISH). UNIVERSITY OF MICHIGAN, ANN ARBOR, MICH.

915 HAERDI, W. * VOGEL, J. * MONNIER, D.
DIRECT DETERMINATION OF COBALT IN INCONEL BY THERMAL NEUTRON ACTIVATION LIMITS OF DETERMINATION AND INTERFERENCES.
HELV. CHIM. ACTA, 43, 1585-1595 (1960). (FRENCH) (ENGLISH SUMMARY), LABORATOIRE DE CHIMIE MINERALE, DE CHIMIE ANALYTIQUE ET DE MICROCHIMIE DE L UNIVERSITE DE GENEVE.

916 TAKEDA, T. * SUZUKI, I. * KIMURA, K.
PARTICLE SIZE DISTRIBUTION ANALYSIS OF THORIUM OXIDE BY NEUTRON ACTIVATION AND RI LABELING.
J. ATOMIC ENERGY SOCIETY, JAPAN, 2, 122-126 (1960). (JAPANESE) (ENGLISH SUMMARY), JAPAN ATOMIC ENERGY RESEARCH INSTITUTE, JAPAN.

917 BURRILL, E.A. * MACGREGOR, M.H.
USING ACCELERATOR NEUTRONS.
NUCLEONICS, 18, NO. 12, 64-65, 68 (1960).
(ENGLISH). HIGH VOLTAGE ENGINEERING CORP., BURLINGTON, MASS.

918 MESLER, R.B.
RAPID ASSESSMENT OF NEUTRON ACTIVATION.
NUCLEONICS, 18, NO. 1, 73-75 (1960), (ENGLISH).
UNIVERSITY OF KANSAS, LAWRENCE, KANSAS.

919 FORBERG, S. * LUNDGREN, S,
ACTIVATION ANALYSIS OF TRACE METALS IN SODIUM
TRIPHOSPHATE. USE OF DOWEX A-1 FOR CHEMICAL
SEPARATIONS,
ANAL. CHEM., 32, 1202-1203 (1960). (ENGLISH),
DIVISION OF PHYSICAL CHEMISTRY, THE ROYAL
INSTITUTE OF TECHNOLOGY, STOCKHOLM, SWEDEN.

920 MACKINTOSH, W,D,
USE OF NEUTRON ACTIVATION ANALYSIS FOR DETERMINING
EFFECTIVENESS OF ZONE-REFINING TECHNIQUES IN THE
PURIFICATION OF ALUMINUM,
ANAL. CHEM., 32, 1272-1275 (1960). (ENGLISH),
ATOMIC ENERGY OF CANADA, LTD., CHALK RIVER,
ONTARIO, CANADA,

921 LBOV, A.A. * NAUMOVA, I.I.
14 MEV NEUTRON ACTIVATION ANALYSIS,
J. NUCL. ENERGY, PART A, 12, 85-86 (1960),
(ENGLISH TRANSLATION), RUSSIA,

922 HAMAGUCHI, H. * KURODA, R, * ONUMA, N, *
YASUNAGA, T,
DETERMINATION OF COPPER IN SILICATES WITH NEUTRON
ACTIVATION AND SPECTROCHEMICAL METHODS.
NIPPON KAGAKU ZASSHI, 82, 1190-1193 (1961).
(JAPANESE) (ENGLISH SUMMARY), DEPARTMENT OF
CHEMISTRY, FACULTY OF SCIENCE, TOKYO UNIVERSITY OF
EDUCATION, KOISHIKAWA, TOKYO, JAPAN,

923 ADAMSKI, L. * BOUZYK, J. * JOZEFOWICZ, K.
METHOD OF SIMULTANEOUS DETERMINATION OF SMALL
SODIUM AND POTASSIUM AMOUNTS BY THE NEUTRON
ACTIVATION.
NUKLEONIKA, V, NO. 6, 317-327 (1960), (POLISH)
(RUSSIAN AND ENGLISH SUMMARIES), INSTYTUT BADAN
JADROWYCH PAN, WARSZAWA, ZAKLAD INZYNIERII
REAKTOROWEJ, POLAND.

924 ABDULAEV, A.A. * LOBANOV, E.M. * NOVIKOV, A.P. *
ROMANOV, M.M. * KHAIDAROV, A.A.
DETERMINATION OF THE INDIUM CONTENT OF SPHALERITES
BY RADIOACTIVATION ANALYSIS,
J. ANAL. CHEM. USSR, 15, 801-806 (1960), (ENGLISH
TRANSLATION), INSTITUTE OF NUCLEAR PHYSICS,
ACADEMY OF SCIENCES, UZB. SSR, TASHKENT, RUSSIA,

925 NOWICKA-JANKOWSKA, T. * RADWAN, Z.
REVIEW OF ANALYTICAL METHODS FOR DETERMINATION OF
RARE EARTHS, II.
CHEM. ANAL. (WARSAW), 8, 307-325 (1963), (POLISH)
(ENGLISH SUMMARY), DEPARTMENT OF ANALYTICAL
CHEMISTRY, INSTITUTE OF NUCLEAR RESEARCH, WARSAW,
POLAND.

926 EDWARDS, R.R.
IODINE-129 ITS OCCURRENCE IN NATURE AND ITS
UTILITY AS A TRACER.
SCIENCE, 137, 851-853 (1962), (ENGLISH), NUCLEAR
SCIENCE AND ENGINEERING CORP., PITTSBURGH, PA.

927 SHEDLOVSKY, J.P. * MOTT, W.E.
EVALUATION OF QUARTZ FOR NEUTRON ACTIVATION
STUDIES.
INTERN. J. APPL. RAD. AND ISOTOPES, 13, 97-98
(1962). (ENGLISH), GULF RESEARCH AND DEVELOPMENT
CO., PITTSBURGH, PA.

928 SOULIOTIS, A.G.
DETERMINATION OF NICKEL IN HYDROGENATED FATS BY
NEUTRON ACTIVATION ANALYSIS.
ANAL. CHEM., 36, 1385-1386 (1964). (ENGLISH),
NUCLEAR RESEARCH CENTER, QUOTE DEMOCRITUS QUOTE,
CHEMISTRY DEPARTMENT, ATHENS, GREECE.

929 PAPAVASILIOU, P.S. * COTZIAS, G.C.
NEUTRON ACTIVATION DETERMINATION OF MANGANESE IN
BODY FLUIDS.
FED. PROC., 19, 250 (1960), (ENGLISH), MEDICAL
RESEARCH CENTER, BROOKHAVEN NATIONAL LABORATORY,
UPTON, L.I., N.Y.

930 OBRINK, K.J. * ULFENDAHL, H.R.
GAMMASPECTROMETRY FOR ANALYSIS OF MIXTURES OF
RADIOISOTOPES IN BIOLOGICAL AND MEDICAL RESEARCH.
INTERN. J. APPL. RAD. AND ISOTOPES, 5, 99-105
(1959), (ENGLISH) (FRENCH, RUSSIAN AND GERMAN
SUMMARIES). INSTITUTE OF PHYSIOLOGY, UNIVERSITY OF
UPPSALA, SWEDEN.

931 LEE, W.
DIRECT ESTIMATION OF GAMMA-RAY ABUNDANCES IN
RADIONUCLIDE MIXTURES, COMPLEMENT SUBTRACTION
METHOD.
ANAL. CHEM., 31, 800-806 (1959), (ENGLISH). U.S.
NAVAL RADIOLOGICAL DEFENCE LABORATORY, SAN
FRANCISCO, CALIF.

932 SCHMITT, R.A. * ZWEIG, G.
TOTAL ORGANIC CHLORIDE CONTENT IN BUTTERFAT BY A RAPID METHOD OF NEUTRON ACTIVATION ANALYSIS.
J. AGRI. AND FOOD CHEM., 10, NO. 6, 481-484 (NOV.-DEC. 1962). (ENGLISH), GENERAL ATOMIC DIVISION OF GENERAL DYNAMICS, SAN DIEGO, CALIF.

933 CASTRO, C.E. * SCHMITT, R.A.
NEMATOCIDE RESIDUES. DIRECT ELEMENTAL ANALYSIS OF CITRUS CROPS BY INSTRUMENTAL NEUTRON ACTIVATION. A RAPID METHOD FOR TOTAL BROMIDE, CHLORIDE, MANGANESE, SODIUM, AND POTASSIUM RESIDUES.
J. AGRI. AND FOOD CHEM., 10, NO. 3, 236-239 (MAY-JUNE 1962). (ENGLISH), DEPARTMENT OF NEMATOLOGH. UNIVERSITY OF CALIFORNIA, RIVERSIDE, CALIF.

934 GUINN, V.P. * POTTER, J.C.
NEMATOCIDE RESIDUES. DETERMINATION OF TOTAL BROMINE RESIDUES IN AGRICULTURAL CROPS BY INSTRUMENTAL NEUTRON ACTIVATION ANALYSIS.
J. AGRI. AND FOOD CHEM., 10, NO. 3, 232-236 (MAY-JUNE 1962). (ENGLISH), SHELL DEVELOPMENT CO., EMERYVILLE, CALIF.

935 BUCHANAN, J.D. * GUINN, V.P.
ANALYSIS OF FOODS BY NEUTRON-ACTIVATION TECHNIQUES.
FOOD TECH., 17, 17-22 (1963), (ENGLISH), GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORP., SAN DIEGO, CALIF.

936 TO-ON, M. * SICILIO, F. * WAINERDI, R.E.
DETERMINATION OF PHOSPHORUS BY FAST-NEUTRON ACTIVATION ANALYSIS.
TRANS. AM. NUCL. SOC., 7, 328 (1964). (ENGLISH), TEXAS A+M, TEXAS.

937 WAYMAN, C.H.
DETERMINATION OF TOTAL SULFUR IN WATER BY NEUTRON ACTIVATION ANALYSIS.
ANAL. CHEM., 35, 768-769 (1963). (ENGLISH). U.S. GEOLOGICAL SURVEY, DENVER, COLO.

938 JACOBSON, A. * BRAR, S. * FIELDS, T. * FELS, I.G. * KAPLAN, E. * GUSTAFSON, P. * OESTER, Y.T.
PRACTICAL APPLICATION OF NEUTRON ACTIVATION ANALYSIS FOR THE DETERMINATION OF PROTEIN BOUND METALS IN BLOOD SERUM.
J. NUCL. MED., 2, 289-296 (1961). (ENGLISH). HINES AND ARGONNE, ILLINOIS.

939 RAKOVIC, M. * TALPOVA, H.
THE USE OF NON-DESTRUCTIVE ACTIVATION ANALYSIS FOR THE ESTIMATION OF SODIUM IN BIOLOGIC MATERIAL.
CASOPIS LEKARU CESKYCH, 103, 632-635 (1964).
(CZECH) (RUSSIAN, ENGLISH, FRENCH AND SPANISH SUMMARIES). CHARLES UNIVERSITY, PRAGUE.

940 MONNIER, D. * HAERDI, W. * VOGEL, J.
RADIOCHEMICAL ANALYSIS BY ACTIVATION WITH THERMAL NEUTRONS DETERMINATION OF COBALT BY MEASURING THE ACTIVITY OF META STABLE COBALT-60 (HALF-LIFE OF 10.5 MINUTES).
HELV. CHIM. ACTA, 44, 1565-1573 (1961). (FRENCH) (ENGLISH SUMMARY), LABORATOIRE DE CHIMIE MINERALE, DE CHIMIE ANALYTIQUE ET DE MICROCHIMIE DE L UNIVERSITE DE GENEVE.

941 SIMON, L.
NEUTRON ACTIVATION ANALYSIS OF MINERALS AND ROCKS.
JADERNA ENERGIE, 6, 409-414 (1960). (CZECH) (RUSSIAN AND GERMAN SUMMARIES). HORNICKY USTAV CSAV, PRAHA.

942 PAULY, J. * GIRARDI, F.
NO. 42 - DETERMINATION BY NEUTRON ACTIVATION OF IMPURITIES CONTAINED IN ORGANIC SUBSTANCE EMPLOYED IN NUCLEAR TECHNOLOGY.
BULL. SOC. CHIM. FRANCE, 244-247 (1963).
(FRENCH). CENTRE COMMUN DE RECHERCHE, EURATOM, ISPRA, ITALY.

943 HELBY, P. * RYGARD, J.
ACTIVATION ANALYSIS APPLIED TO DETERMINATION OF GOLD IN URINE FROM PATIENTS WITH RHEUMATOID ARTHRITIS TREATED WITH GOLD-SODIUM-THIOSULFATE.
ACTA RHEUM. SCAND., 8, 222-228 (1962). (ENGLISH) (FRENCH AND GERMAN SUMMARIES). DEPT. OF PHYSICAL MEDICINE, COPENHAGEN COUNTY HOSPITAL, GLOSTRUP, DENMARK.

944 KENNEDY, J.H. * BETHARD, W.F. * SCHMITT, R.A. * OLEHY, D.A.
NEUTRON ACTIVATION ANALYSIS IN THE STUDY OF PULMONARY DISEASE THE USE OF AN ATOMIC REACTOR AS A LABORATORY INSTRUMENT.
J. THORACIC AND CARDIOVAS. SURG., 44, 570-576 (1962). (ENGLISH). SAN DIEGO, CALIF.

945 KAMEMOTO, Y. * YAMAGISHI, S.
DETERMINATION OF SODIUM, ARSENIC, ANTIMONY AND COPPER IN CARBON BY NEUTRON-ACTIVATION ANALYSIS.
BULL. CHEM. SOC. JAPAN, 36, 132-136 (1963). (ENGLISH). JAPAN ATOMIC ENERGY RESEARCH INSTITUTE, TOKAI-MURA, IBARAKI-KEN, JAPAN.

946 BATE, L.C. * HAMPTON, W.J. * LEDDICOTTE, G.W.
NON-DESTRUCTIVE ANALYSIS OF URANIUM IN GRAPHITE FUEL ELEMENTS BY NEUTRON ACTIVATION.
ORNL-TM-64, 1-6, NOVEMBER 28, 1961. (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

947 HARA, R.
CHEMISTRY RESEARCH BASED ON RESEARCH REACTORS.
AT. ENERGY REV., 1, NO. 1, 93-140 (1963). (ENGLISH). INTERNATIONAL ATOMIC ENERGY AGENCY, VIENNA.

948 GROSHEV, L.V. * DEMIDOV, A.M. * PELEKHOV, V.I.
THE DETERMINATION OF SMALL AMOUNTS OF GADOLINIUM AND SAMARIUM IMPURITIES BY THE METHOD OF GAMMA-RAY, SPECTRAL ANALYSIS AFTER AN (N, GAMMA) REACTION.
AEC-TR-4686, 1-7, DECEMBER 8, 1961. (ENGLISH TRANSLATION). RUSSIA.

949 ZAITSEV, E.I. * ZALESSKII, V.Y.
DETERMINING LITHIUM IN SAMPLES BY A NUCLEAR-PHYSICAL METHOD.
INDUSTRIAL LABORATORY, 27, 565-568 (1961). (ENGLISH TRANSLATION). RUSSIA.

950 ADAMS, F. * HOSTE, J.
DETERMINATION OF ANTIMONY IN LEAD BY NEUTRON-ACTIVATION ANALYSIS.
TALANTA, 9, 827-834 (1962). (ENGLISH) (GERMAN AND FRENCH SUMMARIES). LABORATORY FOR ANALYTICAL CHEMISTRY, GHENT UNIVERSITY, BELGIUM.

951 YULE, H.P.
REACTOR PULSING IN ACTIVATION ANALYSIS.
TRANS. AM. NUCL. SOC., 7, 326-327 (1964). (ENGLISH). GENERAL ATOMICS, SAN DIEGO, CALIF.

952 KELLEY, W.D. * TWITTY, B.I.
AN IMPROVED PROCEDURE FOR THE DETERMINATION OF U-235 IN IMPURE URANIUM MATERIALS USING NEUTRON ACTIVATION TECHNIQUES.
TID-15359, 8P., JANUARY 24, 1963. (ENGLISH). NATIONAL LEAD COMPANY OF OHIO, CINCINNATI, OHIO.

953 KIM, C.K. * MEINKE, W.W.
THERMAL NEUTRON-ACTIVATION ANALYSIS OF TITANIUM USING 5.8-MINUTE TITANIUM-51 AND RAPID RADIOCHEMICAL SEPARATIONS.
TALANTA, 10, 83-89 (1963). (ENGLISH) ((GERMAN AND FRENCH SUMMARIES). DEPARTMENT OF CHEMISTRY, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN.

954 ROBINSON, J.R.
A TECHNIQUE FOR NEUTRON ACTIVATION OF PHOSPHORUS COMPOUNDS ON PAPER CHROMATOGRAMS.
CAN. J. BIOCHEM AND PHYSIO., 40, 1460-1463 (1962). (ENGLISH). THE RESEARCH INSTITUTE, CANADA DEPARTMENT OF AGRICULTURE, UNIVERSITY SUB POST OFFICE, LONDON, ONTARIO, CANADA.

955 CORTH, R.
DETERMINATION OF TANTALUM IN TUNGSTEN BY ACTIVATION ANALYSIS.
ANAL. CHEM., 34, 1607-1608 (1962). (ENGLISH). WESTINGHOUSE LAMP DIVISION, METALS RESEARCH SECTION, BLOOMFIELD, N.J.

956 OKADA, M. * KAMEMOTO, Y.
RAPID NON-DESTRUCTIVE ANALYSIS FOR GOLD IN COPPER-GOLD MIXTURES BY NEUTRON ACTIVATION.
NATURE, 197, 278-279 (1963). (ENGLISH). GOVERNMENT CHEMICAL INDUSTRIAL RESEARCH INSTITUTE, HON-MACHI, SHIBUYA-KU, TOKYO, JAPAN.

957 OKADA, M. * KAMEMOTO, Y.
RAPID MICRODETERMINATION OF INDIUM BY NEUTRON ACTIVATION.
NATURE, 197, 279 (1963). (ENGLISH). GOVERNMENT CHEMICAL INDUSTRIAL RESEARCH INSTITUTE, HON-MACHI, SHIBUYA-KU, TOKYO, JAPAN.

958 NELSON, L.C., JR.
NEUTRON ACTIVATION OF SOME RARE EARTH COMPOSITES.
NBL-117, 27-29 (1956). (ENGLISH). USA.

959 SOLBERG, D.E. * WETHINGTON, J.A. * PARKINSON, T.F.
QUANTITATIVE DETERMINATION OF OXYGEN-18 BY ACTIVATION ANALYSIS.
NATURE, 197, 611-612 (1963). (ENGLISH). DEPARTMENT OF NUCLEAR ENGINEERING, UNIVERSITY OF FLORIDA, GAINSVILLE, FLORIDA.

960 TADA, K. * FUJII, I. * ADACHI, T. * OGAWA, K.
ACTIVATION ANALYSIS WITH FAST NEUTRONS.
AEC-TR-5637, 6P., APRIL 8, 1963. (ENGLISH TRANSLATION-JAPANESE). TOKYO SHIBAURA ELECTRIC CO., TOKYO, JAPAN.

961 KEHLER, P. * MONAGHAN, R.
ACTIVATION ANALYSIS OF OCEAN BOTTOM CORES.
TID-18125, 16P., NOVEMBER 1962. (ENGLISH). DRESSER RESEARCH, TULSA, OKLAHOMA.

962 WAGNER, H.N., JR. * NELP, W.B. * DOWLING, J.H.
USE OF NEUTRON ACTIVATION ANALYSIS FOR STUDYING STABLE IODIDE UPTAKE BY THE THYROID.
J. CLIN. INVEST., 40, 1984-1992 (1961). (ENGLISH). DIAGNOSTIC RADIOISOTOPE LABORATORY, THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE, BALTIMORE, MARYLAND.

963 MOELLER, D.W. * LEDDICOTTE, G.W.
NEUTRON-ACTIVATION ANALYSIS OF WHOLE MILK FOR STABLE STRONTIUM.
ORNL-2866, 22, 29, FEBRUARY 18, 1960. (ENGLISH). U.S. PUBLIC HEALTH SERVICE, ROBERT A. TAFT SANITARY ENGINEERING CENTER, CINCINNATI, OHIO.

964 LEDDICOTTE, G.W. * EMERY, J.F. * GRIMANIS, A.P.
GEOCHEMICAL APPLICATIONS OF NEUTRON-ACTIVATION ANALYSIS.
ORNL 2866, 30, FEBRUARY 18, 1960. (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

965 DIMITRIADOU, A. * TURNER, P.C.R. * FRASER, T.R.
ACTIVATION ANALYSIS OF PAPER CHROMATOGRAMS FOR IODINE (I-127 FORWARD ARROW I-128).
NATURE, 197, 446-449 (1963). (ENGLISH). DEPARTMENT OF MEDICINE, POSTGRADUATE MEDICAL SCHOOL AND THE MEDICAL RESEARCH COUNCIL CYCLOTRON UNIT, LONDON, ENGLAND.

966 PARKINSON, T.F. * GRANT, L.G.
ACTIVATION ANALYSIS OF PARTICULATE AIR CONTAMINANTS.
NATURE, 197, 479-480 (1963). (ENGLISH). DEPARTMENT OF NUCLEAR ENGINEERING, UNIVERISTY OF FLORIDA, GAINESVILLE, FLORIDA.

967 OKADA, T. * NISHI, T. * MATSUMOTO, C.
RADIOACTIVATION ANALYSIS OF HAFNIUM IN ZIRCONIUM.
AEC-TR-4482, 404-409 (1960). (ENGLISH TRANSLATION). ENGINEERING RESEARCH INSTITUTE, KYOTO UNIVERSITY, JAPAN.

968 LUNDBERG, M. * SOREMARK, R. * THILANDER, H.
THE CONCENTRATION OF SOME ELEMENTS IN THE ENAMEL OF UNERUPTED (IMPACTED) HUMAN TEETH.
ODONTOL. REVY, 16, 8-11 (1965). (ENGLISH). HARVARD SCHOOL OF DENTAL MEDICINE, BOSTON, MASS., AND THE FACULTY OF ODONTOLOGY, UNIVERSITY OF UMEA, SWEDEN.

969 SHIMELEVICH, Y.S.
PROCEDURE OF ACTIVATION ANALYSIS OF ROCKS UNDER BOREHOLE CONDITIONS.
AEC-TR-4475, 151-156 (1961). (ENGLISH TRANSLATION). INSTITUTE OF PETROLEUM, ACADEMY SCIENCES, USSR, RUSSIA.

970 MACKINTOSH, W.D. * JERVIS, R.E.
THE DETERMINATION OF ARSENIC IN BIOLOGICAL MATERIALS.
CRDC-958, 11P., AUGUST 1960. (ENGLISH). ATOMIC ENERGY OF CANADA LIMITED, CHEMISTRY AND METALLURGY DIVISION, CHALK RIVER, ONTARIO, CANADA.

971 NAKAI, T. * YAJIMA, S. * SHIBA, K.
DETERMINATION OF URANIUM IN LOW GRADE ORES BY NEUTRON ACTIVATION.
SYMPOSIUM ON RADIOCHEMISTRY, UNIVERSITY OF KYOTO, KYOTO, JAPAN, 1, NOVEMBER 2-3, 1958. (ENGLISH). JAPAN ATOMIC ENERGY RESEARCH INSTITUTE, TOKYO, JAPAN.

972 DIBBS, H.P.
ACTIVATION ANALYSIS WITH A NEUTRON GENERATOR.
MINES BRANCH RESEARCH REPORT R-155, 86P., FEBRUARY 1965. (ENGLISH). DEPARTMENT OF MINES AND TECHNICAL SURVEYS, OTTAWA, CANADA.

973 BATE, L.C. * LEDDICOTTE, G.W.
PARTICLE-SIZE DISTRIBUTION IN THORIUM OXIDE, NEUTRON ACTIVATION--SEDIMENTATION METHOD.
OAK RIDGE MASTER ANALYTICAL MANUAL, METHOD NOS. 5 10200 9 082104 (7-31-59). (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

974 EMERY, J.F. * LEDDICOTTE, G.W.
ALUMINUM DETERMINATION IN REACTOR COOLING WATER.
ORNL CF-58-9-20, 3P., SEPTEMBER 1958. (ENGLISH).
OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

975 STRICKLAND, E.H. * BENSON, A.A.
NEUTRON ACTIVATION PAPER CHROMATOGRAPHIC ANALYSIS OF PHOSPHATIDES IN MAMMALIAN CELL FRACTIONS.
ARCH. BIOCHEM. BIOPHYS., 88, 344-348 (1960).
(ENGLISH). DEPARTMENT OF PHYSICS AND DEPARTMENT OF AGRICULTURAL AND BIOLOGICAL CHEMISTRY, THE PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, PENNSYLVANIA.

976 ROBINSON, J.R.
NEUTRON ACTIVATION OF PHOSPHORUS COMPOUNDS ON PAPER CHROMATOGRAMS.
CANADIAN NUCL. TECH., 1, NO. 5, 25-27 (1962).
(ENGLISH). RESEARCH INSTITUTE, CANADA DEPARTMENT OF AGRICULTURE, LONDON, ONTARIO, CANADA.

977 GIRARDI, G. * PAULY, J.
DETERMINATION OF TRACE IMPURITIES IN ORGANIC MATERIALS BY NEUTRON ACTIVATION ANALYSIS.
EUR 432.F, 24P., OCTOBER 1963. (FRENCH) (ENGLISH SUMMARY). EURAEC, EURATOM, JOINT NUCLEAR RESEARCH CENTER, ISPRA ESTABLISHMENT, ITALY.

978 AIDARKIN, B.C. * GORSHKOV, G.V. * GRAMMAKOV, A.G. * ZHADIN, V.S. * KOLCHINA, A.G.
A METHOD OF DETERMINING BERYLLIUM IN ORES BY MEANS OF PHOTONEUTRONS.
AEC-TR-4498, 99-105 (1961). (ENGLISH TRANSLATION).
RUSSIA.

979 LEWIS, J.E.
EXPERIENCE WITH NEUTRON ACTIVATION IN THE ANALYSIS OF ALUMINUM.
SYMPOSIUM ON RADIOISOTOPE IN METALS ANALYSIS AND TESTING, ASTM NO. 261, 46-51 (1959). (ENGLISH).
ALCOA RESEARCH LABORATORIES, NEW KENSINGTON, PA.

980 COSGROVE, J.F.
NEUTRON ACTIVATION ANALYSIS OF TRACES OF MOLYBDENUM IN TUNGSTEN.
SYMPOSIUM ON RADIOISOTOPES IN METALS ANALYSIS AND TESTING, ASTM SPECIAL TECH. PUBL. NO. 261, 40-43 (1959). (ENGLISH). GENERAL TELEPHONE AND ELECTRONICS LABORATORIES, INC., BAYSIDE, N.Y.

981 WINCHESTER, J.W. * BATE, L.C. * LEDDICOTTE, G.W.
DETERMINATION OF LI-6 IN AQUEOUS SOLUTION BY NEUTRON ACTIVATION ANALYSIS.
ORNL CF-59-7-127, 6P., JULY 10, 1959. (ENGLISH).
OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

982 KIESL, W. * BILDSTEIN, H. * HECHT, F.
ACTIVATION ANALYSIS DETERMINATION OF IMPURITIES IN ALUMINUM. II. DETERMINATION OF COPPER AND DYSPROSIUM.
RADIOCHIM. ACTA, 1, 123-125 (1963). (GERMAN) (ENGLISH AND FRENCH SUMMARIES). REAKTORZENTRUM SEIBERSDORF DER OSTERREICHISCHEN STUDIENGESELLSCHAFT FUR ATOMENERGIE GES.M.B.H. (SGAE) UND ANALYTISCHES INSTITUT DER UNIVERSITAT WIEN, AUSTRIA.

983 GOLDSTEIN, G.
DETERMINATION OF BERYLLIUM BY THE PHOTONEUTRON METHOD.
ANAL. CHEM., 35, 1620-1623 (1963). (ENGLISH).
ANALYTICAL CHEMISTRY DIVISION, OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

984 STEFANOV, G. * NENOV, N. * ZHIVKOV, Z. * MIHAILOV, M. * POPOV, H. * GEORGIEV, N. * TOMOV, T. * TOLGYESSY, Y.
NEUTRON ACTIVATION DETERMINATION OF SILVER IN ORES AND ROCKS.
COMPT REND. ACAD. BULGARE SCI., 18, NO. 5, 425-428 (1965). (ENGLISH). GEOLOGICAL RESEARCH INSTITUTE, SOFIA, BULGARIA AND CHEMICOTECHNICAL INSTITUTE, FACULTY OF CHEMISTRY, BRATISLAVA, CZECHOSLOVAKIA.

985 RAKOVSKII, E.E. * SMAKHTIN, L.A. * YAKOVLEV, Y.V.
THE DETERMINATION OF MICROIMPURITIES IN HIGH PURITY ANTIMONY BY THE RADIOACTIVATION METHOD OF ANALYSIS.
INDUSTRIAL LABORATORY, 26, 1383-1385 (1961). (ENGLISH TRANSLATION). V.I. VERNADSKII INSTITUTE OF GEOCHEMISTRY AND ANALYTICAL CHEMISTRY OF THE ACADEMY OF SCIENCES OF THE USSR, RUSSIA.

986 VAN ZANTEN, B. * DECAT, D. * LELIAERT, G.
ELEMENTARY ANALYSIS OF FLUORINE BY NEUTRON ACTIVATION.
INTERN. J. APPL. RAD. AND ISOTOPES, 14, 105-111 (1963). (ENGLISH) (FRENCH RUSSIAN AND GERMAN SUMMARIES). STUDIECENTRUM VOOR KERNENERGIE, MOL, BELGIUM.

987 BRUNE, D.
ACTIVATION ANALYSIS OF ALUMINUM.
NUKLEONIK, 3, 318-320 (1961). (ENGLISH).
AKTIEBOLAGET ATOMENERGI, STOCKHOLM, SWEDEN.

988 EHMANN, W.D. * SETSER, J.L.
ZIRCONIUM AND HAFNIUM IN STONE METEORITES.
SCIENCE, 139,,594-595 (1963). (ENGLISH).
DEPARTMENT OF CHEMISTRY, UNIVERSITY OF KENTUCKY,
LEXINGTON, KENTUCKY.

989 WEINER, J.R. * O CONNOR, J.J. * RUBIN, B.
A RAPID NEUTRON ACTIVATION METHOD FOR DETERMINING
CHROMIUM IN RUBY MASER AND LASER CRYSTALS.
J. ELECTROCHEM. SOC., 110, 1160-1162 (1963).
(ENGLISH). AIR FORCE CAMBRIDGE LABORATORIES,
OFFICE OF AEROSPACE RESEARCH, L.G. HANSCOM FIELD,
BEDFORD, MASS.

990 OKADA, M.
RAPID DETERMINATION OF TUNGSTEN IN STEEL BY
NEUTRON ACTIVATION AND GAMMA-RAY SPECTROMETRY.
NATURE, 196, 1088 (1962). (ENGLISH). GOVERNMENT
CHEMICAL INDUSTRIAL RESEARCH INSTITUTE, TOKYO,
1-CHOME, HON-MACHI, SHIBUYA-KU, TOKYO, JAPAN.

991 NISHIGAKI, S.
USE OF RADIOISOISOTOPE AND STABLE ISOTOPE TRACERS
IN RESEARCH ON SOIL-LANT RELATIONS IN JAPAN.
INTERN. J. APPL. RAD. AND ISOTOPES, 13, 335-342
(1962). (ENGLISH). DEPARTMENT OF CHEMISTRY,
NATIONAL INSTITUTE OF AGRICULTURAL SCIENCES,
NISHIGAHARA, KITAKU, TOKYO, JAPAN.

992 KAMEMOTO, Y. * YAMAGISHI, S.
DETERMINATION OF IMPURITIES IN GRAPHITE BY NEUTRON
ACTIVATION ANALYSIS.
NIPPON KAGAKU ZASSHI, 83, 572-573 (1962).
(JAPANESE) (ENGLISH SUMMARY). CHEMISTRY DIVISION,
JAPAN ATOMIC ENERGY RESEARCH INSTITUTE, TOKAIMURA,
IBARAKI, JAPAN.

993 SANDERS, F.W. * AUXIER, J.A.
NEUTRON ACTIVATION OF SODIUM IN ANTHROPOMORPHOUS
PHANTOMS.
HEALTH PHYSICS, 8, 371-379 (1962). (ENGLISH).
HEALTH PHYSICS DIVSION, OAK RIDGE NATIONAL
LABORATORY, OAK RIDGE, TENN.

994 KAMEMOTO, Y. * YAMAGISHI, S.
DETERMINATION OF COBALT IN GRAPHITE BY ACTIVATION ANALYSIS.
NIPPON KAGAKU ZASSHI, 83, 1156-1157 (1962).
(JAPANESE) (ENGLISH SUMMARY). DIVISION OF CHEMISTRY, JAPAN ATOMIC ENERGY RESEARCH INSTITUTE, TOKAIMURA, IBARAKI, JAPAN.

995 NAKAI, T. * KAMEMOTO, Y. * WEY, M.-T.
DETERMINATION OF GOLD, MANGANESE AND SODIUM IN COPPER METAL BY NEUTRON ACTIVATION ANALYSIS.
NIPPON KAGAKU ZASSHI, 83, 1194-1197 (1962).
(JAPANESE) (ENGLISH SUMMARY). DIVISION OF CHEMISTRY, JAPAN ATOMIC ENERGY RESEARCH INSTITUTE, NAKA-GUN, IBARAKI, JAPAN.

996 MONAGHAN, R. * YOUMANS, A.H. * BERGAN, R.A. * HOPKINSON, E.C.
INSTRUMENTATION FOR NUCLEAR ANALYSIS OF THE LUNAR SURFACE.
TRANS. NUCL. SCI., NS-10, 183-189 (JAN. 1963).
(ENGLISH). DRESSER RESEARCH, TULSA, OKLAHOMA.

997 YAJIMA, S. * KAMEMOTO, Y. * SHIBA, K. * ONODA, Y.
THE DETERMINATION OF TRACE IMPURITIES IN GOLD AND SILVER METALS BY ACTIVATION ANALYSIS.
NIPPON KAGAKU ZASSHI, 82, 194-197 (1961).
(JAPANESE) (ENGLISH SUMMARY). JAPAN ATOMIC ENERGY RESEARCH INSTITUTE, NAKA-GUN, IBARAKI, JAPAN.

998 NAKAI, T. * YAJIMA, S. * FUJII, I. * KAMEMOTO, Y. * SHIBA, K.
THE DETERMINATION OF RARE EARTH ELEMENTS IN THORIUM METAL AND THORIUM OXIDE BY ACTIVATION ANALYSIS.
NIPPON KAGAKU ZASSHI, 82, 197-200 (1961).
(JAPANESE) (ENGLISH SUMMARY). JAPAN ATOMIC ENERGY RESEARCH INSTITUTE, NAKA-GUN, IBARAKI, JAPAN.

999 YAMAGATA, N. * IWASHIMA, K. * TAJIMA, E.
DETERMINATION OF RUBIDIUM AND CESIUM BY NEUTRON ACTIVATION FOLLOWED BY GAMMA SPECTROMETRY.
J. ATOMIC ENERGY SOC., JAPAN, 4, 534-539 (1962).
(ENGLISH). DEPT. RADIOLOGICAL HEALTH, THE INST. PUBLIC HEALTH, JAPAN.

1000 BROSER, I. * FRANKE, K.-H.
TRACE ANALYSIS OF COPPER IN ZINC SULFIDE PHOSPHORS
BY MEANS OF NEUTRON ACTIVATION.
Z. PHYSIK, 172, 520-529 (1963). (GERMAN) (ENGLISH
SUMMARY). INSTITUT FUR ELEKTRONENMIKROSKOPIC AM
FRITZ-HABER-INSTITUT DER MAX-PLANCK GESELLSCHAFT,
BERLIN-DAHLEM, GERMANY.

1001 KAISER, D.G. * MEINKE, W.W.
RAPID ACTIVATION ANALYSIS OF TRACE VANADIUM IN
TISSUE USING 3.8-MINUTE VANADIUM-52.
ANAL. CHIM. ACTA, 29, 211-214 (1963). (ENGLISH)
(FRENCH AND GERMAN SUMMARIES). DEPARTMENT OF
CHEMISTRY, UNIVERSITY OF MICHIGAN, ANN ARBOR,
MICHIGAN.

1002 EHMANN, W.D.
ON SOME TANTALUM ABUNDANCES IN METEORITES AND
TEKTITES.
GEOCHIM. COSMOCHIM. ACTA, 29, 43-48 (1965).
(ENGLISH). UNIV. OF KENTUCKY, LEXINGTON, KENTUCKY.

1003 KAMEMOTO, Y. * YAMAGISHI, S.
DETERMINATION OF HAFNIUM IN ZIRCONIUM BY NEUTRON
ACTIVATION ANALYSIS.
J. CHEM. SOC. JAPAN, 84, 270-272 (1963).
(JAPANESE). JAPAN.

1004 KAMEMOTO, Y.
DETERMINATION OF IMPURITIES BY NEUTRON ACTIVATION
ANALYSIS (II) DETERMINATION OF AR IN AIR, HE AND
CU BY NEUTRON ACTIVATION ANALYSIS.
J. ATOMIC ENERGY SOCIETY, JAPAN, 5, 48-51 (1963).
(JAPANESE) (ENGLISH SUMMARY). DIV. OF CHEM., JAPAN
ATOMIC ENERGY RES. INST., JAPAN.

1005 NAGY, L.G. * BODNAR, J. * DEMJEN, Z. * SANDOR, J. *
SZEKRENYESY, T.
NEUTRON ACTIVATION INVESTIGATION OF IMPURITIES OF
HIGH PURITY GALLIUM.
PERIODICA POLYTECH., 7, 147-167 (1963). (ENGLISH).
DEPARTMENT FOR PHYSICAL CHEMISTRY, POLYTECHNICAL
UNIVERSITY, BUDAPEST, HUNGARY.

1006 VERES, A.
PHOTO-ACTIVATION OF CADMIUM-111M AND INDIUM-115M
BY COBALT-60 IRRADIATION.
INTERN. J. APPL. RAD. AND ISOTOPES, 14, 123-128
(1963). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN
SUMMARIES). NATIONAL ATOMIC ENERGY COMMISSION,
INSTITUTE OF ISOTOPES, BUDAPEST, HUNGARY.

1007 LBOV, A.A. * NAUMOVA, I.I.
DETERMINATION OF GOLD IMPURITIES BY A METHOD OF
RADIATION.
INDUSTRIAL LABORATORY, 28, 1577-1579 (1962),
(ENGLISH TRANSLATION), RUSSIA.

1008 OKADA, M.
RAPID DETERMINATION OF YTTERBIUM IN AQUEOUS
SOLUTIONS AND IN THULIUM OXIDE BY NEUTRON
ACTIVATION.
NATURE, 191, 1090 (1961), (ENGLISH), GOVERNMENT
CHEMICAL INDUSTRIAL RESEARCH INSTITUTE, 1-CHOME,
HON-MACHI, SHIBUYA-KU, TOKYO, JAPAN.

1009 KAMEMOTO, Y. * YAMAGISHI, S.
DETERMINATION OF IMPURITIES BY NEUTRON ACTIVATION
ANALYSIS (1) DETERMINATION OF COBALT IN NICKEL BY
ACTIVATION ANALYSIS.
J. ATOMIC ENERGY SOC. JAPAN, 4, 866-868 (1962),
(JAPANESE) (ENGLISH SUMMARY), DIV. OF CHEM., JAPAN
ATOMIC ENERGY RES. INST., JAPAN.

1010 VON-GUNTEN, H.R. * WYTTENBACH, A. * SCHERLE, W.
DETERMINATION OF CHLORINE IN STONY METEORITES BY
NEUTRON ACTIVATION ANALYSIS.
GEOCHIM. COSMOCHIM. ACTA, 29, 475-480 (1965),
(ENGLISH). EIDG. INSTITUT FUR REAKTORFORSCHUNG,
WURENLINGEN, SWITZERLAND.

1011 OKADA, M.
SIMULTANEOUS DETERMINATION OF SCANDIUM AND
DYSPROSIUM BY NEUTRON ACTIVATION FOLLOWED BY
GAMMA-RAY SPECTROMETRY.
NATURE, 188, 575-576 (1960), (ENGLISH), GOVERNMENT
CHEMICAL INDUSTRIAL RESEARCH INSTITUTE, TOKYO,
HONMACHI, SHIBUYA-KU, TOKYO, JAPAN.

1012 WYTTENBACH, A. * VON-GUNTEN, H.R. * SCHERLE, W.
DETERMINATION OF BROMINE CONTENT AND ISOTOPIC
COMPOSITION OF BROMINE IN STONY METEORITES BY
NEUTRON ACTIVATION.
GEOCHIM. COSMOCHIM. ACTA, 29, 467-474 (1965),
(ENGLISH). EIDG. INSTITUT FUR REAKTORFORSCHUNG,
WURENLINGEN, SWITZERLAND.

1013 ROMMEL, H.
BORON DETERMINATION BY ACTIVATION ANALYSIS USING THE NUCLEAR REACTION B-11 (P,N) C-11.
KERNENERGIE, 5, 859-860 (1962). (GERMAN).
MITTEILUNG AUS DEM ZENTRALINSTITUT FUR KERNPHYSIK, BEREICH RADIOCHEMIE, ROSSENDORF BEI DRESDEN, GERMANY.

1014 OTVOS, J.W. * GUINN, V.P. * LUKENS, H.R., JR. * WAGNER, C.D.
PHOTOACTIVATION AND PHOTONEUTRON ACTIVATION ANALYSIS.
NUCL. INSTR. METH., 11, 187-195 (1961). (ENGLISH).
SHELL DEVELOPMENT COMPANY, EMERYVILLE, CALIF.

1015 FUJII, I.
DETERMINATION OF THE INDIVIDUAL RARE EARTH ELEMENTS IN THE RARE EARTH MINERALS BY NEUTRON ACTIVATION METHOD, (II) DETERMINATION OF THE INDIVIDUAL RARE EARTH ELEMENTS IN GADOLINITE, XENOTIME, FERGUSONITE, EUXENITE AND YTTRIALITE.
J. ATOMIC ENERGY SOC. JAPAN, 3, 186-192 (1961).
(JAPANESE) (ENGLISH SUMMARY). MATSUDA RES. LAB., TOKYO SHIBAURA ELECT. CO., JAPAN.

1016 FUJII, I.
DETERMINATION OF THE INDIVIDUAL RARE EARTH ELEMENTS IN THE RARE EARTH MINERALS BY NEUTRON ACTIVATION METHOD, (I) DETERMINATION OF THE INDIVIDUAL RARE EARTH ELEMENTS IN MONAZITE AND ALLANITE.
J. ATOMIC ENERGY SOC. JAPAN, 3, 9-18 (1961).
(JAPANESE) (ENGLISH SUMMARY). MATSUDA RES. LAB., TOKYO SHIBAURA ELEC., CO., JAPAN.

1017 VOGT, J.R. * EHMANN, W.D.
SILICON ABUNDANCES IN STONY METEORITES BY FAST NEUTRON ACTIVATION ANALYSIS.
GEOCHIM. COSMOCHIM. ACTA, 29, 373-383 (1965).
(ENGLISH). DEPARTMENT OF CHEMISTRY, UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY.

1018 SUZUKI, N. * KUDO, K.
A NEW METHOD OF RADIOACTIVATION ANALYSIS BASED ON THE QUANTITATIVE ISOTOPE DILUTION PRINCIPLE.
ANAL. CHIM. ACTA, 32, 456-464 (1965). (ENGLISH) (FRENCH AND GERMAN SUMMARIES). RESEARCH INSTITUTE OF MINERAL DRESSING AND METALLURGY, TOHOKU UNIVERSITY, SENDAI, JAPAN.

1019 ISHIMORI, T. * FUJINO, T.
THE DETERMINATION OF ISOTOPIC RATIO OF U-235/
U-238 BY NEUTRON ACTIVATION.
J. ATOMIC ENERGY SOC. JAPAN, 4, 16-24 (1962),
(ENGLISH). CHEM. DIV., JAPAN ATOMIC ENERGY RES.
INST., JAPAN.

1020 ANBAR, M. * MANTEL, M. * GUTTMANN, S.
THE DETERMINATION OF SERUM PROTEIN-BOUND IODINE BY
NEUTRON ACTIVATION.
IA-900, 121-123, 1963, (ENGLISH), ISRAEL ATOMIC
ENERGY COMMISSION, SOREQ ESTABLISHMENT, REHOVOTH,
ISRAEL.

1021 OKADA, M.
RAPID DETERMINATION OF YTTERBIUM NY NEUTRON
ACTIVATION AND GAMMA-RAY SPECTROMETRY.
NIPPON KAGAKU ZASSHI, 83, 85-87 (1962), (JAPANESE)
(ENGLISH SUMMARY), GOVERNMENT CHEMICAL INDUSTRIAL
RESEARCH INSTITUTE, TOKYO, SHIBUYA-KU, TOKYO,
JAPAN.

1022 SETSER, J.L. * EHMANN, W.D.
ZIRCONIUM AND HAFNIUM ABUNDANCES IN METEORITES,
TEKTITES AND TERRESTRIAL MATERIALS.
GEOCHIM. COSMOCHIM. ACTA, 28, 769-782 (1964),
(ENGLISH). DEPARTMENT OF CHEMISTRY, UNIVERSITY OF
KENTUCKY, LEXINGTON, KENTUCKY.

1023 NOTEA, A. * NIR, A. * AMIEL, S.
AN O-18 ANALYSER BASED ON THE O-18 (ALPHA,N)NE-21
REACTION.
IA-900, 113, 1963, (ENGLISH), ISRAEL ATOMIC ENERGY
COMMISSION, SOREQ ESTABLISHMENT, REHOVOTH, ISRAEL.

1024 UNION CARBIDE
RADIOISOTOPE SALES CAMPAIGNS OPENED BY GE, UC, UC
EXPECTS TO QUADRUPLE ITS ANALYSIS BUSINESS.
NUCLEONICS, 21, NO. 2, 28 (1963), (ENGLISH), UNION
CARBIDE CO., OAK RIDGE, TENN.

1025 WELWART, Y. * CINGOLI, F.
ACTIVATION ANALYSIS.
IA-900, 13, 1963, (ENGLISH), ISRAEL ATOMIC ENERGY
COMMISSION, SOREQ ESTABLISHMENT, REHOVOTH, ISRAEL.

1026 PIERCE, T.B. * PECK, P.F. * HENRY, W.M.
DETERMINATION OF CARBON IN STEELS BY MEASUREMENT OF THE PROMPT GAMMA-RADIATION EMITTED DURING PROTON BOMBARDMENT.
NATURE, 204, 571-572 (1964), (ENGLISH). ANALYTICAL CHEMISTRY BRANCH, AERE, HARWELL, BERKS, ENGLAND.

1027 SCHUTZ, D.F.
THE GEOGRAPHICAL AND VERTICAL DISTRIBUTION OF SEVERAL TRACE ELEMENTS IN SEA WATER.
TID-21067, 140P., APRIL 1964, (ENGLISH). YALE UNIVERSITY, DEPARTMENT OF GEOLOGY.

1028 PIERCE, T.B. * PECK, P.F.
A RAPID SOLVENT-EXTRACTION SAMPLING TECHNIQUE FOR NEUTRON-ACTIVATION ANALYSIS.
ANALYST, 88, 603-607 (1963), (ENGLISH).
ANALYTICAL CHEMISTRY BRANCH, AERE, HARWELL, DIDCOT, BERKS., ENGLAND.

1029 WAINERDI, R.E. * DUBEAU, N.P.
NUCLEAR ACTIVATION ANALYSIS.
SCIENCE, 139, 1027-1033 (1963), (ENGLISH).
AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS. COLLEGE STATION, TEXAS.

1030 RADWAN, M. * WALIS, L.
DETERMINATION OF THE HOMOGENEITY OF ALLOYS BY AUTORADIOGRAPHY AND ACTIVATION ANALYSIS.
ISOTOPENPRAXIS, 3, 398-403 (1967), (GERMAN).
INSTITUT FUR KERNFORSCHUNG, WARSZAWA, POLAND.

1031 BATE, L.C. * EMERY, J.F. * LEDDICOTTE, G.W. * PRO, M.J.
THE USE OF NEUTRON-ACTIVATION ANALYSIS IN FORENSIC SCIENCE.
TRANS. AM. NUCL. SOC., 5, NO. 2, 283 (1962), (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE.

1032 SAYRE, E.V.
AUTHENTICATION OF ANCIENT ARTIFACTS BY NUCLEAR MEANS.
TRANS. AM. NUCL. SOC., 5, NO. 2, 283 (1962), (ENGLISH). BROOKHAVEN NATIONAL LABORATORY, UPTON, N.Y.

1033 LEE, M.B. * IBERT, E. * FITE, L.E. * WAINERDI, R.E.
THE USE OF NUCLEAR-ACTIVATION ANALYSIS TO
DETERMINE THE ELEMENTAL COMPOSITION OF THE MOON S
SURFACE.
TRANS. AM. NUCL. SOC., 5, NO. 2, 278-279 (1962).
(ENGLISH). TEXAS A AND M. COLLEGE STATION, TEXAS.

1034 RUSH, R.R. * GUINN, V.P. * PINKER, R.H.
DETECTION OF GUNPOWDER RESIDUES BY NEUTRON
ACTIVATION ANALYSIS.
TRANS. AM. NUCL. SOC., 5, NO. 2, 282 (1962).
(ENGLISH). GENERAL ATOMICS, SAN DIEGO,
CALIFORNIA.

1035 LEDDICOTTE, G.W. * ROSS, W.J. * EMERY, J.F.
THE APPLICATION OF NEUTRON-ACTIVATION ANALYSIS TO
INDIVIDUAL IDENTIFICATION.
TRANS. AM. NUCL. SOC., 5, NO. 2, 282-283 (1962).
(ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK
RIDGE, TENNESSEE.

1036 TARRAS, S. * PIRTLE, O.L., JR.
A COMMERCIAL APPLICATION OF NUCLEAR ACTIVATION
ANALYSIS TO THE STUDY OF AIR POLLUTION.
TRANS. AM. NUCL. SOC., 5, NO. 2, 280 (1962).
(ENGLISH). TRACERLAB, RICHMOND, CALIFORNIA.

1037 MORZEK, P.
ACTIVATION INTERFERENCES BY SELF SHIELDING AND
FLUX DEPRESSION IN ACTIVATION ANALYSIS.
KERNENERGIE, 5, 839-845 (1962). (GERMAN).
MITTEILUNG AUS DEM ZENTRALINSTITUT FUR KERNPHYSIK,
BEREICH RADIOCHEMIE, ROSSENDORF BEI DRESDEN,
GERMANY.

1038 NAKAI, T. * YAJIMA, S. * FUJII, I. * SHIBA, K.
DETERMINATION OF IMPURITIES IN THORIUM METAL AND
OXIDE BY RADIOACTIVATION.
SYMPOSIUM ON RADIOCHEMISTRY, UNIVERSITY OF KYOTO,
KYOTO, JAPAN, 2, NOVEMBER 2-3, 1958. (ENGLISH).
JAPAN ATOMIC ENERGY RESEARCH INSTITUTE, TOKYO,
JAPAN.

1039 LEDDICOTTE, G.W.
NEUTRON ACTIVATION ANALYSIS AT ORNL.
OAK RIDGE MASTER ANALYTICAL MANUAL, METHOD NO. 5
10101 (8-3-59). (ENGLISH). OAK RIDGE NATIONAL
LABORATORY, OAK RIDGE, TENN.

1040 MORRISON, G.H.
METALS ANALYSIS BY RADIOACTIVATION,
SYMPOSIUM ON RADIOISOTOPES IN METALS ANALYSIS AND TESTING, ASTM SPECIAL TECH. PUBL. NO. 261, 21-30 (1960). (ENGLISH). GENERAL TELEPHONE AND ELECTRONICS LABORATORIES, INC., BAYSIDE, N.Y.

1041 OGBORN, R.E. * DUNN, A.L. * BLOTCKY, A.J. * JOHNSON, G.F. * JAMES, L.R.
NEUTRON ACTIVATION ANALYSIS,
AM. J. ROENTGENOLOGY, 85, 976-987 (1961). (ENGLISH). RADIOISOTOPE SERVICE, VETERANS ADMINISTRATION HOSPITAL, OMAHA, NEBRASKA.

1042 GIRARDI, F. * PAULY, J.
NEUTRON ACTIVATION ANALYSIS OF NUCLEAR MATERIALS,
EUR 306. I, 15P., JUNE 1963. (ITALIAN) (ENGLISH SUMMARY). CENTRO COMUNE DI RICERCA NUCLEARE, STABILIMENTO DI ISPRA, ITALY.

1043 ENGELMANN, C.
ACTIVATION ANALYSIS OF VERY HIGH PURITY BERYLLIUM OBTAINED BY ZONE MELTING,
CEA DM/1289, 22 MAY 1963. (FRENCH). SERVICE DE RECHERCHES DE METALLURGIE PHYSIQUE ET CHIMIQUE, FRANCE.

1044 REYNOLDS, S.A. * MULLINS, W.T.
NEUTRON FLUX PERTURBATION IN ACTIVATION ANALYSIS,
INTERN. J. APPL. RAD. AND ISOTOPES, 14, 421-425 (1963). (ENGLISH) (FRENCH, GERMAN AND RUSSIAN SUMMARIES). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1045 AUBOUIN, G. * LAVERLOCHERE, J.
ION EXCHANGE SEPARATIONS APPLIED TO ACTIVATION ANALYSIS,
CEA DR/AR/G/63-18, MAY 1963. (FRENCH). SECTION DES APPLICATIONS DES RADIOELEMENTS, LABORATOIRE DE GRENOBLE, FRANCE.

1046 AUBOUIN, G. * GUAZZONI, P. * LAVERLOCHERE, J.
UTILIZATION OF 14 MEV NEUTRONS IN ACTIVATION ANALYSIS EXPERIMENTS DONE AT C.E.N.-G.
CEA DR/AR/G/63-16, MAY 1963. (FRENCH). SECTION DES APPLICATIONS DES RADIOELEMENTS, LABORATOIRE DE GRENOBLE, FRANCE.

1047 RENGAN, K, * MEINKE, W.W.
RAPID RADIOCHEMICAL SEPARATION AND ACTIVATION ANALYSIS OF RARE EARTH ELEMENTS.
ANAL. CHEM., 36, 157-161 (1964), (ENGLISH), DEPARTMENT OF CHEMISTRY, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN,

1048 BAIRD, J.N., JR. * SANFORD, W.R. * CRISTY, G.A.
EVALUATION OF A REDUCED PRESSURE BACKFLOW PREVENTER USING ACTIVATION ANALYSIS,
ORNL-3380, 49P., JANUARY 9, 1963, (ENGLISH), OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1049 KOROTKOVA, V.A.
METHOD OF ANALYSIS WITH THE AID OF RADIATION.
AEC-TR-4492, 134-139 (1961), (ENGLISH TRANSLATION). PHYSICS INSTITUTE IMENI P.N. LEBEDEV, ACADEMY OF SCIENCES, USSR, RUSSIA. NSA 16, 13441

1050 BANDEL, D.
TECHNICAL TOPICS - ACTIVATION ANALYSIS.
TRACERLOG, 94, 7-11 (1958), (ENGLISH), TRACERLOG, WALTHAM, MASS.

1051 KENNA, B.T. * KENNA, L.A.
SIMPLIFIED METHOD FOR DETERMINING SENSITIVITIES IN ACTIVATION ANALYSIS,
ANAL. CHEM., 35, 1766-1768 (1963), (ENGLISH), SANDIA CORP., ALBUQUERQUE, N.M.

1052 SCHRADER, C.D. * WAGGONER, J.A. * METZGER, A.E. * ZENGER, J.H.
ANALYZING THE MOON S SURFACE.
NUCLEONICS, 20, NO. 10, 67-68 (1962), (ENGLISH), THE AEROSPACE CORP. EL SEGUNDO, CALIF.

1054 MEINKE, W.W. * SHIDELER, R.W.
ACTIVATION ANALYSIS NEW GENERATORS AND TECHNIQUES MAKE IT ROUTINE.
NUCLEONICS, 20, NO. 3, 60-65 (1962), (ENGLISH). UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN.

1055 ANDERS, O.U.
ACTIVATION ANALYSIS FOR PLANT STREAM MONITORING.
NUCLEONICS, 20, NO. 2, 78-83 (1962), (ENGLISH), THE DOW CHEMICAL COMPANY, MIDLAND, MICH.

1056 GUINN, V.P.
MODERN NEUTRON ACTIVATION ANALYSIS -- NEW TECHNIQUES AND NEW APPLICATIONS,
GA-4373, 17P., JULY 23, 1963, (ENGLISH), GENERAL ATOMIC DIVISION OF GENERAL DYNAMICS, SAN DIEGO, CALIF.

1057 SOULIOTIS, A.G.
COMBINED RADIOCHEMICAL-NEUTRON ACTIVATION ANALYSIS METHOD FOR THE DETERMINATION OF SULFUR AND PHOSPHORUS IN HIGH-PURITY PAPER AND BEER,
ANAL. CHEM., 36, 811-814 (1964), (ENGLISH), CHEMISTRY DEPARTMENT, NUCLEAR RESEARCH CENTER, DEMOCRITUS, ATHENS, GREECE.

1058 FITE, L.E. * STEELE, E.L. * WAINERDI, R.E. * IBERT, E. * WILKINS, W.
AN INVESTIGATION OF COMPUTER COUPLED AUTOMATIC ACTIVATION ANALYSIS AND REMOTE LUNAR ANALYSIS, CHAPTER I. THE MARK II SYSTEM,
TID-18257, 1-16, FEBRUARY 1, 1963, (ENGLISH), ACTIVATION ANALYSIS RESEARCH LABORATORY, TEXAS ENGINEERING EXPERIMENT STATION, TEXAS A AND M, COLLEGE STATION, TEXAS.

1059 ANTUNEZ, H.M.
DETERMINATION OF FISSION PRODUCT BACKGROUND IN THE GAMMA COINCIDENCE TECHNIQUE FOR U-238 MEASUREMENTS.
NUCLEAR SCI, AND ENG., 14, 8-10 (SEPTEMBER 1962), (ENGLISH), VALLECITOS ATOMIC LABORATORY, GENERAL ELECTRIC CO., PLEASANTON, CALIFORNIA.

1060 WINCHESTER, J.W. * MULLINS, W.T. * WRIGHT, H.W. * LEDDICOTTE, G.W. * MEYER, R.E. * BATE, L.C.
DETERMINATION OF FILM THICKNESS BY NEUTRON-ACTIVATION ANALYSIS,
ORNL-2866, 31, FEBRUARY 18, 1960, (ENGLISH), OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1061 DAKHNOV, V.N.
ACHIEVEMENTS OF NATIONAL SCIENCE AND INDUSTRY IN USING RADIOACTIVE METHODS FOR PROSPECTING AND DEVELOPING USEFUL MINERALS.
AEC-TR-4475, 1-11 (1960), (ENGLISH TRANSLATION). RUSSIA.

1062 BARANOV, V.I. * KHRISTIANOV, V.K. * KARASEV, B.V.
THE PHOTONEUTRONIC METHOD OF DETERMINATION OF THE CONCENTRATION OF DEUTERIUM IN NATURAL WATER.
DEG INFORMATION SERIES 123 (CA), 6P., 1961.
(ENGLISH TRANSLATION), RUSSIA.

1063 NAKAI, T. * YAJIMA, S. * FUJII, I. * OKADA, M.
ACTIVATION ANALYSIS OF IMPURITIES IN SEMICONDUCTOR MATERIALS.
SYMPOSIUM ON RADIOCHEMISTRY, UNIVERSITY OF KYOTO, KYOTO, JAPAN, 2-3, NOVEMBER 2-3, 1958, (ENGLISH), JAPAN ATOMIC ENERGY RESEARCH INSTITUTE, TOKYO, JAPAN.

1064 ADAMS, F. * HOSTE, J.
NON-DESTRUCTIVE ACTIVATION ANALYSIS OF ARSENIC AND ANTIMONY IN LEAD.
TALANTA, 10, 1093-1102 (1963), (ENGLISH) (GERMAN AND FRENCH SUMMARIES), INSTITUTE FOR ANALYTICAL CHEMISTRY, GHENT UNIVERSITY, BELGIUM.

1065 RICCI, E. * HAHN, R.L.
THEORY AND EXPERIMENT IN RAPID, SENSITIVE HELIUM-3 ACTIVATION ANALYSIS, HELIUM-3 REACTIONS AS NEUTRON SOURCES.
ANAL. CHEM., 37, 742-748 (1965), (ENGLISH), ANALYTICAL CHEMISTRY DIVISION, OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE.

1066 ADAMS, F. * HOSTE, J. * SPEECKE, A.
DETERMINATION OF SILVER IN LEAD BY NEUTRON-ACTIVATION ANALYSIS.
TALANTA, 10, 1243-1249 (1963), (ENGLISH) (FRENCH AND GERMAN SUMMARIES), LABORATORY FOR ANALYTICAL CHEMISTRY, GHENT UNIVERSITY, BELGIUM.

1067 MIYOSHI, K.
A 14-MEV NEUTRON-ACTIVATION ANALYSIS UNIT FOR OXYGEN DETERMINATION.
TOSHIBA REBYU, 20, 671-676 (JULY 1965).
(JAPANESE) (ENGLISH SUMMARY), TAMAGAWA WORKS, TOKYO SHIBAURA ELECTRIC CO., LTD., JAPAN.

1068 ALIMARIN, I.P. * YAKOVLEV, Y.V. * SHCHULEPNIKOV, M.N. * VLASOV, D.A. * CHERNOV, G.M. * SURKOV, Y.A.
RADIOACTIVATION DETERMINATION OF IMPURITIES IN HIGH PURITY THALLIUM.
J. ANAL. CHEM. USSR, 16, 221-224 (1961), (ENGLISH TRANSLATION). V.I. VERNADSKII INSTITUTE OF GEOCHEMISTRY AND ANALYTICAL CHEMISTRY, ACADEMY OF SCIENCES, USSR, MOSCOW, RUSSIA.

1069 ALLINA, Z. * OTWINOWSKI, W.
DETERMINATION OF MICROTRACE CONTENT OF COPPER, ZINC, AND ARSENIC IN NITRIC AND HYDROCHLORIC ACIDS BY THE NEUTRON ACTIVATION ANALYSIS.
CHEM. ANAL. (WARSAW), 9, 203-22 (1964). (POLISH) (ENGLISH SUMMARY). DEPARTMENT OF TECHNICAL PHYSICS, INSTITUTE OF GENERAL CHEMISTRY, WARSZAWA, POLAND.

1070 AMIEL, S. * WELWART, Y.
LITHIUM AND LITHIUM-6 ANALYSIS BY COUNTING DELAYED NEUTRONS.
ANAL. CHEM., 35, 566-570 (1963), (ENGLISH). ISRAEL ATOMIC ENERGY COMMISSION LABORATORIES, REHOVOTH, ISRAEL.

1071 ANBAR, M. * PEISAH, M. * RAFAELOFF, R.
DETERMINATION OF OXYGEN BY F-18 COUNTING IN ORGANIC LI-O SYSTEMS.
BULL. OF RESEARCH COUNCIL OF ISRAEL, 10A, 23-24 (1961). (ENGLISH). ISOTOPE DEPT., WEIZMANN INSTITUTE OF SCIENCE, REHOVOTH, ISRAEL.

1072 ANDERS, O.U.
IDENTIFICATION OF A PREVIOUSLY UNASSIGNED 5-SECOND BROMINE ACTIVITY AND ITS USE IN NEUTRON ACTIVATION ANALYSIS.
ANAL. CHEM., 34, 1678-1680 (1962). (ENGLISH). RADIOCHEMISTRY RESEARCH LABORATORY, THE DOW CHEMICAL CO., MIDLAND, MICHIGAN.

1073 ARMSTRONG, A.A., JR. * WALSH, W.K. * TESZLER, O. * RUTHERFORD, H.A.
ACTIVATION ANALYSIS IN TEXTILE PROCESSING.
TEXTILE RESEARCH J., 32, 728-734 (1962). (ENGLISH). DEPARTMENT OF TEXTILE CHEMISTRY, SCHOOL OF TEXTILES, NORTH CAROLINA STATE COLLEGE, NORTH CAROLINA.

1074 ASCOLI, A. * GERMAGNOLI, E.
INTERMETALLIC DIFFUSION IN GOLD-LEAD SYSTEMS.
PURE AND APPL. CHEM., 1, 139-141 (1960).
(ENGLISH). LABORATORI, C.I.S.E., MILAN, ITALY.

1075 BATE, L.C.
NUCLEAR METHODS OF OXYGEN ANALYSIS.
NUCLEONICS, 21, NO. 7, 72-75 (1963). (ENGLISH).
OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1076 BATE, G.L. * HUIZENGA, J.R.
ABUNDANCES OF RUTHENIUM, OSMIUM AND URANIUM IN
SOME COSMIC AND TERRESTRIAL SOURCES.
TID-16599, 34P., JUNE 29, 1962. (ENGLISH).
ARGONNE NATIONAL LABORATORY, ARGONNE, ILLINOIS.

1077 BATE, L.C. * PRO, M.J.
APPLICATION OF ACTIVATION ANALYSIS TO FORENSIC
SCIENCE--II. DRUGS.
INTERN. J. APPL. RAD. AND ISOTOPES, 15, 111-114
(1964). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN
SUMMARIES). OAK RIDGE NATIONAL LABORATORY, OAK
RIDGE, TENNESSEE.

1078 BECK, J.S. * MANNEY, T.R.
NEUTRON ACTIVATION ANALYSIS FOR PHOSPHORUS IN A
STUDY OF DEVELOPMENT IN A BEETLE WING.
SCIENCE, 137, 865-866 (1962). (ENGLISH). DONNER
LABORATORY OF BIOPHYSICS AND MEDICAL PHYSICS,
UNIVERSITY OF CALIFORNIA, BERKELEY.

1079 BELLER, L.S.
BETA-GAMMA DELAYED COINCIDENCE METHOD FOR U-238
ACTIVATION ANALYSIS.
TRANS. AM. NUCL. SOC., 4, 28-29 (1961). (ENGLISH).
ATOMICS INTERNATIONAL.

1080 BILEFIELD, L.I. * VINCENT, E.A.
DETERMINATION OF CADMIUM IN ROCKS BY
NEUTRON-ACTIVATION ANALYSIS.
ANALYST, 86, 386-391 (1961). (ENGLISH). DEPARTMENT
OF GEOLOGY AND MINERALOGY, UNIVERSITY MUSEUM,
OXFORD, ENGLAND.

1081 BISBY, H.
INSTRUMENTATION FOR BERYLLIUM ASSESSMENT.
NUCLEAR POWER, 5, 100-103 (1960). (ENGLISH) SENIOR
PRINCIPAL SCIENTIST, ELECTRONICS DIVISION, UKAEA
HARWELL, ENGLAND.

1082 BISBY, H.
NUCLEONIC INSTRUMENTATION FOR THE DETECTION AND
ASSAY OF BERYLLIUM MINERALS,
UKAEA AERE-R 3021, OCTOBER 1959, (ENGLISH).
ELECTRONICS DIVISION, UKAEA RESEARCH GROUP, AERE,
HARWELL, ENGLAND,

1083 BISBY, H. * HALE, F.H.
ALPHA AND GAMMA IRRADIATION TECHNIQUES FOR
BERYLLIUM DETERMINATION,
UKAEA PG-REPORT 171, 43-54 (1960). (ENGLISH),
ELECTRONICS DIVISION, AERE, HARWELL, ENGLAND,

1084 BLACKBURN, R.
DETERMINATION OF FLUORINE IN ORGANIC COMPOUNDS BY
FAST NEUTRON ACTIVATION ANALYSIS,
ANAL. CHEM., 36, 669-671 (1964), (ENGLISH). ROYAL
MILITARY COLLEGE OF SCIENCE, SHRIVENHAM, SWINDON,
WILTSHIRE, ENGLAND,

1085 BOUTEN, P. * HOSTE, J.
THE DETERMINATION OF SULPHUR AND PHOSPHORUS IN
STEEL BY NEUTRON ACTIVATION ANALYSIS,
ANAL. CHIM. ACTA, 27, 315-319 (1962), (ENGLISH)
(FRENCH AND GERMAN SUMMARIES), LABORATORY FOR
ANALYTICAL CHEMISTRY, GHENT UNIVERSITY, BELGIUM,

1086 BOWEN, H.J.M. * CAWSE, P.A.
THE DETERMINATION OF INORGANIC ELEMENTS IN
BIOLOGICAL TISSUE BY ACTIVATION ANALYSIS,
AERE - R 4309, 40P., MAY 1963, (ENGLISH), ISOTOPE
RESEARCH DIVISION, UKAEA RESEARCH GROUP, WANTAGE
RESEARCH LABORATORY (AERE), WANTAGE, ENGLAND,

1087 BOWEN, H.J.M. * CAWSE, P.A. * DAGLISH, M.
THE DETERMINATION OF CALCIUM AND MAGNESIUM IN
BIOLOGICAL MATERIAL BY RADIOACTIVATION ANALYSIS,
ANALYST, 89, 266-271 (1964), (ENGLISH), WANTAGE
RESEARCH LABORATORY (AERE), WANTAGE, BERKSHIRE,
ENGLAND,

1088 BROOKSBANK, W.A. * LEDDICOTTE, G.W. * MAHLMAN, H.A.
ANALYSIS FOR TRACE IMPURITIES BY NEUTRON
ACTIVATION,
ORNL CF-53-10-52, 15P., OCTOBER 23, 1953,
(ENGLISH), OAK RIDGE NATIONAL LABORATORY, OAK
RIDGE, TENN,

1089 BRUNE, D. * FRYKBERG, B. * SAMSAHL, K. * WESTER, P.O.
DETERMINATION OF ELEMENTS IN NORMAL AND LEUKEMIC HUMAN WHOLE BLOOD BY NEUTRON ACTIVATION ANALYSIS.
AE-60, 16P., NOVEMBER 1961, (ENGLISH), CHEMISTRY DEPARTMENT, AB ATOMENERGI, STOCKHOLM, SWEDEN.

1090 BUCHANAN, J.
DETERMINATION OF THORIUM AND URANIUM IN GRAPHITE BY INSTRUMENTAL NEUTRON ACTIVATION ANALYSIS.
GA-2211, 28P., JANUARY 18, 1962, (ENGLISH), GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORPORATION, SAN DIEGO, CALIFORNIA.

1091 BUSCH, G. * SCHADE, H. * GOBBI, A. * MARMIER, P.
DETECTION OF BORON ON SILICON SURFACES WITH ACTIVATION ANALYSIS.
J. PHYS. CHEM. SOLIDS, 23, 513-514 (1962), (GERMAN) (ENGLISH SUMMARY), LABORATORIUM FUR FESKORPERPHYSIK, ETH, ZURICH.

1092 CALI, J.P. * WEINER, J.R. * O CONNOR, J.J.
A NON-DESTRUCTIVE RADIOANALYTICAL METHOD FOR THE DETERMINATION OF GALLIUM IN SUBSTITUTED YTTRIUM IRON GARNETS.
NATURE, 199, 1081-1082 (1963), (ENGLISH), AFCRL, OFFICE OF AEROSPACE RESEARCH, L.G. HANSCOM FIELD, BEDFORD, MASS.

1093 CHEMICAL AND ENGINEERING NEWS
STUDENTS EXPLORE NEUTRON ACTIVATION.
CHEM. AND ENG. NEWS, 41, 52 (APRIL 8, 1963), (ENGLISH), USA.

1094 CARR, M.H. * TUREKIAN, K.K.
THE GEOCHEMISTRY OF COBALT.
GEOCHIM. COSMOCHIM. ACTA, 23, 9-60 (1961), (ENGLISH), DEPARTMENT OF GEOLOGY, YALE UNIVERSITY, NEW HAVEN, CONN.

1095 CATTANEO, F. * GERMAGNOLI, E. * SCHIAVINI, G.
ACTIVATION ANALYSIS OF ZONE-REFINED GOLD.
ENERGIA NUCLEARE, 9, 467-471 (1962), (ENGLISH) (ITALIAN SUMMARY), LABORATORI CISE, SEGRATE, MILANO, ITALY.

1096 CHENG, H.S. * KE, C.H. * LIN, C.Y.
DETERMINATION OF BROMINE AND IODINE IN SODIUM GLUTAMATE BY NEUTRON ACTIVATION ANALYSIS.
J. CHINESE CHEM. SOC. (TAIWAN), 10, 92-100 (1963), (ENGLISH). DEPARTMENT OF CHEMISTRY, NATIONAL TSING HUA UNIVERSITY, CHINA.

1097 CHINAGLIA, B. * CIUFFOLOTTI, L. * FASOLO, G.B. * MALVANO, R.
USE OF SHORT-LIVED RADIONUCLIDES IN ACTIVATION ANALYSIS.
ENERGIA NUCLEARE (MILAN), 9, 503-512 (1962), (ENGLISH), (ITALIAN SUMMARY). SORIN, CENTRO RICERCHE NUCLEARI, SALUGGIA, ITALY.

1098 CHINAGLIA, B. * MALVANO, R.
ANALYSES OF ALUMINUM BY NEUTRON RADIOACTIVATION.
AUTOMAZIONE E STRUMENTAZIONE, 9, 92-96 (1961), (ITALIAN). SORIN, CENTRO RICERCHE NUCLEARI DI SALUGGIA, ITALY.

1099 CHINAGLIA, B. * MALVANO, R.
THE DETERMINATION OF SOME ELEMENTS IN ALUMINIUM BY NON DESTRUCTIVE RADIOACTIVATION ANALYSIS.
ENERGIA NUCLEARE (MILAN), 8, 571-578 (1961), (ENGLISH) (ITALIAN SUMMARY). SORIN, SALUGGIA, ITALY.

1100 CHRISTELL, R. * SJOSTRAND, B.
A SIMPLIFIED METHOD FOR THE DETERMINATION OF ARSENIC BY MEANS OF ACTIVATION ANALYSIS.
ACTA CHEM. SCAND., 16, 2123-2130 (1962), (ENGLISH). DIVISION OF NUCLEAR CHEMISTRY, ROYAL INSTITUTE OF TECHNOLOGY, STOCKHOLM, SWEDEN.

1101 COBB, J.C.
DETERMINATION OF LEAD IN METEORITES BY ALPHA ACTIVATION ANALYSIS.
BNL-5628. 1-14, OCTOBER 8, 1960, (ENGLISH). CHEMISTRY DEPARTMENT, BROOKHAVEN NATIONAL LABORATORY, UPTON, LONG ISLAND, N.Y.

1102 COCKBILL, M.H.
THE DETERMINATION OF TANTALUM AND NIOBIUM.
ANALYST, 87, 611-629 (1962), (ENGLISH). RESEARCH DEPARTMENT, LONDON AND SCANDINAVIAN METALLURGICAL CO. LTD., LONDON, ENGLAND.

1103 COLEMAN, R.F.
THE DETERMINATION OF OXYGEN BY FAST-NEUTRON ACTIVATION.
ANALYST, 87, 590-593 (1962), (ENGLISH), UKAEA, AWRE, ALDERMASTON, BERKS, ENGLAND.

1104 COLEMAN, R.F.
THE DETERMINATION OF OXYGEN IN BERYLLIUM BY ACTIVATION ANALYSIS,
UKAEA PG REPORT 171, 73-80 (1960), (ENGLISH), AWRE, ALDERMASTON, ENGLAND,

1105 COMAR, D. * LEPOEC, C. * JOLY, M. * KELLERSHOHN, C.
RADIOACTIVATION ANALYSIS, APPLICATION TO THE DETERMINATION OF IODINE, MERCURY, COPPER, MANGANESE AND ZINC IN BIOLOGICAL MATERIALS.
BULL. SOC. CHIM. FRANCE, 1, 56-71 (1962), (FRENCH), COMMISSARIAT A L ENERGIE ATOMIQUE, DEPARTEMENT DE BIOLOGIE, SERVICE HOSPITALIER FREDERIC JOLIOT, GIF-SUR-YVETTE, FRANCE.

1106 BILEFIELD, L.I.
THE DETERMINATION OF SILVER BY ACTIVATION WITH BREMSSTRAHLUNG.
ANALYST, 87, 504-508 (1962), (ENGLISH), UKAEA, AWRE, ALDERMASTON, BERKS., ENGLAND,

1107 CZAMANSKE, G.K. * ROEDDER, E. * BURNS, F.C.
NEUTRON ACTIVATION ANALYSIS OF FLUID INCLUSIONS FOR COPPER, MANGANESE, AND ZINC,
SCIENCE, 140, 401-403 (1963), (ENGLISH), DEPARTMENT OF GEOLOGY AND GEOPHYSICS, MIT, CAMBRIDGE, MASSACHUSETTS.

1108 DALZIEL, J.A.W. * HSIA, R.C.H.
DETERMINATION OF TRACES OF COPPER IN RUBBER LATEX ASH BY NEUTRON ACTIVATION ANALYSIS,
J. SCI. FOOD AGRIC., 12, 127-130 (1961), (ENGLISH), DEPARTMENT OF CHEMISTRY, IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY, LONDON, S.W.7, ENGLAND.

1109 SANKAR DAS, M.
DETERMINATION OF MICROGRAM AMOUNTS OF URANIUM BY NEUTRON ACTIVATION ANALYSIS USING THE 23.5-MINUTE U-239.
TID-18304 (ORA 04997-1-P), 15P., NOVEMBER 1962, (ENGLISH), DEPARTMENT OF CHEMISTRY, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN,

1110 DIMITRIADOU, A. * TURNER, P.C.R. * FRASER, R.
ACTIVATION ANALYSIS OF PAPER CHROMATOGRAMS FOR IODINE (IODINE-127 FORWARD ARROW IODINE-128), NATURE, 198, 576-577 (1963), (ENGLISH), DEPARTMENT OF MEDICINE, POSTGRADUATE MEDICAL SCHOOL AND THE MEDICAL RESEARCH COUNCIL CYCLOTRON UNIT, LONDON, ENGLAND.

1111 KUSAKA, Y. * TSUJI, H.
ACTIVATION ANALYSIS OF SILVER USING RADIUM-BERYLLIUM NEUTRON SOURCE, SYMPOSIUM ON RADIOCHEMISTRY, UNIVERSITY OF KYOTO, KYOTO, JAPAN, 3, NOVEMBER 2-3, 1958, (ENGLISH), DEPARTMENT OF CHEMISTRY, FACULTY OF SCIENCE, KONAN UNIVERSITY, KOBE, JAPAN.

1112 CONRAD, F.J. * KENNA, B.T.
NEUTRON ACTIVATION ANALYSIS OF MANGANESE IN POLYSULFIDE MATERIALS, TALANTA, 14, NO. 11, 1339-1340 (1967), (ENGLISH) (GERMAN AND FRENCH SUMMARIES), ANALYTICAL METHOD DEVELOPMENT, SANDIA LABORATORY, ALBUQUERQUE, NEW MEXICO.

1113 FERENCZY, Z.
ROLE OF POLAROGRAPHY IN ACTIVATION ANALYSIS, ACTA CHIM. ACAD. SCI. HUNG., 26, 229-234 (1961), (FRENCH), INSTITUT DE RECHERCHES CHIMIQUES DES INDUSTRIES LOURDES, VESZPREM, FRANCE.

1114 FINEMAN, I. * WESTERMARK, T.
ACTIVATION ANALYSIS OF MANGANESE IN PULP, INTERN. J. APPL. RAD. AND ISOTOPES, 8, 186-191 (1960). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN SUMMARIES). DIVISION OF PHYSICAL CHEMISTRY, ROYAL INSTITUTE OF TECHNOLOGY, STOCKHOLM, SWEDEN.

1115 FUJII, I. * TANI, A. * MUTO, H. * OGAWA, K. * SATO, M.
A RAPID METHOD FOR PRASEODYMIUM BY 14 MEV NEUTRON ACTIVATION. APPLICATION OF GAMMA-GAMMA COINCIDENCE METHOD TO THE RAPID DETERMINATION OF PRASEODYMIUM, J. ATOMIC ENERGY SOC. JAPAN, 5, NO. 3, 218-224 (1963).(JAPANESE) (ENGLISH SUMMARY), CENTRAL RES. LAB., TOKYO SHIBAURA ELEC. CO., TOKYO, JAPAN.

1116 FUJII, I. * MUTO, H, * OGAWA, K, * TANI, A,
DETERMINATION OF OXYGEN BY 14 MEV NEUTRON ACTIVATION ANALYSIS USING A NEW ANALYTICAL INSTRUMENT.
J. ATOMIC ENERGY SOC. JAPAN, 5, NO, 6, 455-461 (1963). (ENGLISH), CENTRAL RES, LAB,, TOKYO SHIBAURA ELEC. CO., TOKYO, JAPAN,

1117 EHMANN, W.D.
NICKEL IN TEKTITES BY ACTIVATION ANALYSIS,
GEOCHIM. COSMOCHIM. ACTA, 19, 149-155 (1960), (ENGLISH), THE UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY.

1118 GEBAUHR, W. * MARTIN, J.
ACTIVATION ANALYTICAL INVESTIGATION OF HIGH-PURITY SILICON,
Z. ANAL. CHEM., 200, 266-278 (1964), (GERMAN) (ENGLISH SUMMARY), AUS DEM FORSCHUNGSLABORATORIUM DER SIEMENS-SCHUCKERTWERKE AG, ERLANGEN, GERMANY.

1119 GIJBELS, R. * HOSTE, J.
THE DETERMINATION OF TRACES OF OSMIUM IN RUTHENIUM SPONGE BY NEUTRON ACTIVATION ANALYSIS,
ANAL. CHIM. ACTA, 29, 289-302 (1963), (ENGLISH) (FRENCH AND GERMAN SUMMARIES), LABORATORY FOR ANALYTICAL CHEMISTRY, GHENT UNIVERSITY, GHENT, BELGIUM,

1120 MEINKE, W.W.
APPLICATION OF RAPID RADIOCHEMICAL SEPARATIONS TO THE ACTIVATION ANALYSIS OF BIOLOGICAL SAMPLES,
L ANALYSE PAR RADIOACTIVATION ET SE APPLICATIONS AUX SCIENCES BIOLOGIQUES, PRESSES UNIVERSITAIRES DE FRANCE, 108 BLVD, SAINT-GERMAIN, PARIS, 6E, 145-155 (1964). (ENGLISH). NBS, WASHINGTON, D.C.

1121 RUZICKA, J. * ZEMAN, A, * OBRUSNIK, I,
A NEW PRINCIPLE OF ACTIVATION ANALYSIS SEPARATIONS-IX. SUBSTOICHIOMETRIC DETERMINATION OF TRACES OF BISMUTH,
TALANTA, 12, NO, 4, 401-407 (1965), (ENGLISH) (GERMAN AND FRENCH SUMMARIES), DEPARTMENT OF NUCLEAR CHEMISTRY, FACULTY OF TECHNICAL AND NUCLEAR CHEMISTRY, PRAGUE, BREHOVA, CZECHOSLOVAKIA.

1122 GOLES, G.G. * ANDERS, E.
ON THE GEOCHEMICAL CHARACTER OF IODINE IN METEORITES.
J. GEOPHYS. RES., 66, 3075-3077 (1961).
(ENGLISH). ENRICO FERMI INSTITUTE FOR NUCLEAR STUDIES AND DEPARTMENT OF CHEMISTRY, UNIVERSITY OF CHICAGO, CHICAGO, ILLINOIS.

1123 GRAND, J.A. * BAUS, R.A. * BOGARD, A.D. * WILLIAMS, D.D. * LOCKHART, L.B. * MILLER, R.R.
THE SOLUBILITY OF TANTALUM AND COBALT IN SODIUM BY ACTIVATION ANALYSIS.
J. PHYS. CHEM., 63, 1192-1194 (1959). (ENGLISH).
CHEMISTRY DIVISION, NAVAL RESEARCH LABORATORY, WASHINGTON, D.C.

1124 GRUVERMAN, I.J. * HENNINGER, W.A.
NEUTRON ACTIVATION ANALYSIS OF ALLOY STEEL AND ELECTRO-ETCH RESIDUES FOR SIXTEEN ELEMENTS.
ANAL. CHEM., 34, 1680-1683 (1962). (ENGLISH).
NUCLEAR SCIENCE AND ENGINEERING CORP., PITTSBURGH, PENNSYLVANIA.

1125 HAMAGUCHI, H. * KAWABUCHI, K. * ONUMA, N.
DETERMINATION OF TRACE QUANTITIES OF TIN BY NEUTRON ACTIVATION ANALYSIS.
ANAL. CHIM. ACTA, 30, 335-345 (1964). (ENGLISH) (FRENCH AND GERMAN SUMMARIES). DEPARTMENT OF CHEMISTRY, TOKYO KYOIKU UNIVERSITY, KOISHIKAWA, TOKYO, JAPAN.

1126 BOWEN, H.J.M.
ON THE NECESSITY OF BIOLOGICAL STANDARDS IN ACTIVATION ANALYSIS.
L ANALYSE PAR RADIOACTIVATION ET SES APPLICATIONS AUX SCIENCES BIOLOGIQUES, PRESSES UNIVERSITAIRES DE FRANCE, 108 BLVD. SAINT-GERMAIN, PARIS, 6E, 199-210 (1964). (FRENCH) (ENGLISH SUMMARY).
WANTAGE, ENGLAND.

1127 HAMAGUCHI, H. * KURODA, R. * HOSOHARA, K. * SHIMIZU, T.
THERMAL NEUTRON ACTIVATION ANALYSIS OF TANTALUM IN SEA WATER.
J. ATOMIC ENERGY SOC. JAPAN, 5, NO. 8, 662-665 (1963). (JAPANESE) (ENGLISH SUMMARY). DEPT. CHEM., FACULTY SCIENCE, TOKYO KYOIKU UNIV., JAPAN.

1128 HAMAGUCHI, H. * KURODA, R. * WATANABE, Y.
TANTALUM CONTENTS OF DEEP SEA SEDIMENTS.
NIPPON KAGAKU ZASSHI, 84, 723-726 (1963).
(JAPANESE) (ENGLISH SUMMARY), DEPARTMENT OF
CHEMISTRY, TOKYO KYOIKU UNIVERSITY, BUNKYO-KU,
TOKYO, JAPAN.

1129 MARK, H.B., JR. * BERLANDI, F.J.
APPLICATION OF CONTROLLED POTENTIAL
ELECTRODEPOSITION WITH PYROLYTIC GRAPHITE
ELECTRODES TO NEUTRON ACTIVATION ANALYSIS AND
RADIOCHEMISTRY.
ANAL. CHEM., 36, 2062-2064 (1964). (ENGLISH),
DEPARTMENT OF CHEMISTRY, THE UNIVERSITY OF
MICHIGAN, ANN ARBOR, MICH.

1130 HERFORTH, L. * KOCH, H.
VII. CHAPTER ACTIVATION ANALYSIS.
QUOTE RADIOPHYSIKALISCHES UND RADIOCHEMISCHES
GRUNDPRAKTIKUM QUOTE, VEB DEUTSCHER VERLAG DER
WISSENSCHAFTEN, VOL. 31, 227-249 (1959), (GERMAN),
GERMANY.

1131 KE, C.H. * LIN, C.Y. * CHENG, H.S.
DETERMINATION OF SOIL POTASSIUM BY NONDESTRUCTIVE
ACTIVATION ANALYSIS.
J. CHINESE CHEM. SOC. (TAIWAN), 11, NO. 4, 193-201
(1964). (ENGLISH), NATIONAL TSING HUA UNIVERSITY,
HSINCHU, TAIWAN.

1132 AITKEN, M. * EMELEUS, V. * HALL, E.
NEUTRON ACTIVATION ANALYSIS OF ANCIENT SILVER
COINS.
INTERN. J. APPL. RAD. AND ISOTOPES, 9, 150 (1960).
(ENGLISH), RESEARCH LABORATORY FOR ARCHAEOLOGY AND
THE HISTORY OF ART, UNIVERSITY OF OXFORD, OXFORD,
ENGLAND.

1133 JASKOLSKA, H. * WODKIEWICZ, L. * MINCZEWSKI, J.
DETERMINATION OF TRACE IMPURITIES IN HIGH PURITY
MATERIALS BY NEUTRON ACTIVATION ANALYSIS. I. THE
BEHAVIOUR OF SOME ELEMENTS IN THE COURSE OF
ANALYSIS.
CHEM. ANAL. (WARSAW), 9, 453-458 (1964).
(ENGLISH). DEPARTMENT OF ANALYTICAL CHEMISTRY,
INSTITUTE OF NUCLEAR RESEARCH, WARSZAWA, POLAND.

1134 SAMSAHL, K. * BRUNE, D. * WESTER, P.O,
SIMULTANEOUS DETERMINATION OF 30 TRACE ELEMENTS IN
CANCEROUS AND NON-CANCEROUS HUMAN TISSUE SAMPLES
BY NEUTRON ACTIVATION ANALYSIS,
INTERN. J. APPL. RAD. AND ISOTOPES, 16, 273-281
(1965). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN
SUMMARIES). AB ATOMENERGI, STOCKHOLM, SWEDEN,

1135 JASKOLSKA, H. * WODKIEWICZ, L. * MINCZEWSKI, J.
DETERMINATION OF TRACE IMPURITIES IN HIGH PURITY
MATERIALS BY NEUTRON ACTIVATION, II, ANALYSIS OF
HCL, HNO SUB 3 AND H SUB 2 O SUB 2 FOR
SEMICONDUCTOR APPLICATIONS,
CHEM. ANAL. (WARSAW), 9, 459-467 (1964), (ENGLISH)
(POLISH SUMMARY), DEPARTMENT OF ANALYTICAL
CHEMISTRY, INSTITUTE OF NUCLEAR RESEARCH,
WARSZAWA, POLAND,

1136 IREDALE, P.
THE DETECTION OF BERYLLIUM BY THE GAMMA-N METHOD,
AERE-EL/M 108, 12P., MAY 1960, (ENGLISH),
ELECTRONICS DIVISION, UKAEA RESEARCH GROUP, AERE,
HARWELL, ENGLAND

1137 KIM, C.K.
ANALYSIS OF TANTALUM AND NIOBIUM BY NEUTRON
ACTIVATION OF SHORT-LIVED RADIONUCLIDES,
PRODUCTION AND USE OF SHORT-LIVED RADIOISOTOPES
FROM REACTORS (PROCEEDINGS OF A SEMINAR, VIENNA,
5-9 NOVEMBER 1962), VOL, II, 73-78 (1962),
(ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES),
DEPARTMENT OF CHEMISTRY, ATOMIC ENERGY RESEARCH
INSTITUTE, SEOUL, KOREA,

1138 AUBOUIN, G.
ACTIVATION ANALYSIS OF MINERAL IMPURITIES IN
TERPHENYLS AND THEIR DETERMINATION BY GAMMA
SPECTROMETRY,
RADIOCHIM, ACTA, 1, 117-123 (1963), (FRENCH)
(GERMAN AND ENGLISH SUMMARIES), COMMISSARIAT A L
ENERGIE ATOMIQUE-FRANCE, DEPARTEMENT DES
RADIOELEMENTS, CEN-GRENOBLE, FRANCE,

1139 KAMEMOTO, Y. * YAMAGISHI, S.
RE-ACTIVATION ANALYSIS OF MAGNESIUM,
NATURE, 201, 65-66 (1964), (ENGLISH), JAPAN
ATOMIC ENERGY RESEARCH INSTITUTE, DIVISION OF
CHEMISTRY, TOKAI-MURA, NAKA-GUN, IBARAKI, JAPAN,

1140 KAMEMOTO, Y, * YAMAGISHI, S.
DETERMINATION OF ALUMINUM BY DOUBLE ACTIVATION ANALYSIS.
NIPPON KAGAKU ZASSHI, 84, 291 (1963), (JAPANESE) (ENGLISH SUMMARY), DIVISION OF CHEMISTRY, JAPAN ATOMIC ENERGY RESEARCH INSTITUTE, TOKAI-MURA, IBARAKI, JAPAN.

1141 KANABROCKI, E,L, * FIELDS, T, * DECKER, C,F, * CASE, L.F, * MILLER, E,B, * KAPLAN, E, * OESTER, Y,T,
NEUTRON ACTIVATION STUDIES OF BIOLOGICAL FLUIDS MANGANESE AND COPPER,
INTERN, J, APPL, RAD, AND ISOTOPES, 15, 175-189 (1964), (ENGLISH) (FRENCH, RUSSIAN AND GERMAN SUMMARIES), RADIOISOTOPE SERVICE, VETERANS ADMINISTRATION HOSPITAL, HINES, ILLINOIS,

1142 KAWASHIMA, T,
A NOTE ON THE RADIOACTIVATION ANALYSIS OF ARSENIC IN PURE SILICON,
DENKI TSUSHIN KENKYUSHO KENKYU JITSUYOKA HOKOKU, 9, 827-828 (1960), (JAPANESE), JAPAN,

1143 KELLERSHOHN, C. * COMAR, D, * LEPOEC, C,
DETERMINATION OF BLOOD IODIDE BY ACTIVATION ANALYSIS.
INTERN, J, APPL, RAD, AND ISOTOPES, 13, 87-103 (1961), (FRENCH) (ENGLISH, RUSSIAN AND GERMAN SUMMARIES). COMMISSARIAT A L ENERGIE ATOMIQUE, DEPARTMENT DE BIOLOGIE SERVICE HOSPITALIER FREDERIC JOLIOT, GIF-SUR-YVETTE, (S, ET O,), FRANCE.

1144 OKADA, M, * OKUBO, T,
UTILIZATION OF GRAPHS FOR PRESUMPTION OF INTERFERING ACTIVITY IN RADIOACTIVATION ANALYSIS,
SYMPOSIUM ON RADIOCHEMISTRY, UNIVERSITY OF KYOTO, KYOTO, JAPAN, 3-4, NOVEMBER 2-3, 1958, (ENGLISH), THE GOVERNMENT CHEMICAL INDUSTRIAL RESEARCH INSTITUTE, TOKYO, JAPAN

1145 KEMP, D,M, * SMALES, A,A,
THE DETERMINATION OF VANADIUM IN ROCKS AND METEORITES BY NEUTRON-ACTIVATION ANALYSIS,
ANAL, CHIM, ACTA, 23, 397-410 (1960), (ENGLISH) (FRENCH AND GERMAN SUMMARIES), AERE, HARWELL, ENGLAND,

1146 KILLICK, R.A. * MORRIS, D.F.C.
THE DETERMINATION OF TRACES OF ARSENIC AND ANTIMONY IN SAMPLES OF PLATINUM BY NEUTRON-ACTIVATION ANALYSIS.
TALANTA, 9, 879-884 (1962). (ENGLISH) (GERMAN AND FRENCH SUMMARIES). DEPARTMENT OF CHEMISTRY, BRUNEL COLLEGE, LONDON, ENGLAND.

1147 KILLICK, R.A. * MORRIS, D.F.C.
THE DETERMINATION OF TRACES OF RUTHENIUM IN SAMPLES OF PLATINUM BY NEUTRONACTIVATION ANALYSIS.
TALANTA, 9, 349-353 (1962). (ENGLISH) (GERMAN AND FRENCH SUMMARIES). DEPARTMENT OF CHEMISTRY, BRUNEL COLLEGE OF TECHNOLOGY, LONDON, ENGLAND.

1148 SIPPEL, R.S.
QUANTITATIVE ANALYSIS BY CHARGED PARTICLE BOMBARDMENT.
ANALYSIS INSTRUMENTATION-1963, NEW YORK, PLENUM PRESS, 251-260, 1963, (ENGLISH). SOCONY MOBIL FIELD RESEARCH LABORATORY, DALLAS, TEXAS.

1149 KIRK, P.L.
SOME FORENSIC PROBLEMS AMENABLE TO RADIOISOTOPE TECHNIQUES.
TRANS. AM. NUCL. SOC., 5, 282 (NOV. 1962). (ENGLISH). UNIVERSITY OF CALIFORNIA, BERKELEY, CALIF.

1150 KRAMER, H.H. * MOLINSKI, V.J. * WAHL, W.H. * STIER, P.M.
RESEARCH IN ACTIVATION ANALYSIS, QUARTERLY PROGRESS REPORT APRIL - AUGUST 1962.
NYO-10171, 10P., SEPTEMBER 19, 1962, (ENGLISH). UNION CARBIDE NUCLEAR CO., DIVISION OF UNION CARBIDE CORP., RESEARCH CENTER, TUXEDO, N.Y.

1151 SAITO, K. * NOZAKI, T. * TANAKA, S. * FURUKAWA, M. * CHENG, H.
RADIOACTIVATION ANALYSIS OF OXYGEN IN HIGH-PURITY SILICON BY IRRADIATION WITH ALPHA-PARTICLES.
INTERN. J. APPL. RAD. AND ISOTOPES, 14, 357-363 (1963). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN SUMMARIES). INSTITUTE FOR NUCLEAR STUDY, THE UNIVERSITY OF TOKYO, TANASHI, TOKYO, JAPAN.

1152 KUSAKA, Y, * TSUJI, H, * ADACHI, T,
EXPERIMENTAL SENSITIVITY DATA FOR RADIOACTIVATION
ANALYSIS WITH 14 MEV NEUTRONS,
BULL. CHEM. SOC, JAPAN, 36, 1259-1261 (1963),
(ENGLISH), DEPARTMENT OF CHEMISTRY, FACULTY OF
SCIENCE, KONAN UNIVERSITY, HIGASHINADA-KU, KOBE,
JAPAN,

1153 NOZAKI, T, * BABA, H, * ARAKI, H,
RADIOACTIVATION-ANALYSIS OF IODINE IN SILICON,
SYMPOSIUM ON RADIOCHEMISTRY, UNIVERSITY OF KYOTO,
KYOTO, JAPAN, 4, NOVEMBER 2-3, 1958, (ENGLISH),
LABORATORY FOR ELECTRO-COMMUNICATION, TOKYO,
JAPAN,

1154 HAMAGUCHI, H, * NAKAI, T,
SENSITIVITIES OF NEUTRON ACTIVATION ANALYSIS USING
JRR-1 REACTOR,
SYMPOSIUM ON RADIOCHEMISTRY, UNIVERSITY OF KYOTO,
KYOTO, JAPAN, 6, NOVEMBER 2-3, 1958, (ENGLISH),
TOKYO UNIVERSITY OF EDUCATION, TOKYO, JAPAN,

1155 IDENO, E, * NAKAI, T, * HAMAGUCHI, H,
DETERMINATION OF TUNGSTEN IN IRON METEORITES BY
NEUTRON ACTIVATION,
SYMPOSIUM ON RADIOCHEMISTRY, UNIVERSITY OF KYOTO,
KYOTO, JAPAN, 6-7, NOVEMBER 2-3, 1958, (ENGLISH),
TOKYO UNIVERSITY OF EDUCATION, TOKYO, JAPAN,

1156 LELIAERT, G, * DECAT, D,
THE DETERMINATION OF COPPER BY RADIOACTIVATION,
INTERN. J, APPL, RAD, AND ISOTOPES, 10, 63-64
(1961), (ENGLISH), CENTRE D ETUDES DE L ENERGIE
NUCLEAIRE, MOL-DONK, BELGIUM,

1157 LEONHARDT, W,
DETERMINATION OF FLUORINE TRACES BY ACTIVATION IN
THE REACTOR,
KERNENERGIE, 6, 45-46 (1963), (GERMAN),
MITTEILUNG AUS DEM ZENTRALINSTITUT FUR KERNPHYSIK,
BEREICH RADIOCHEMIE, ROSSENDORF BEI DRESDEN,
GERMANY,

1158 LEONHARDT, W,
THE SENSITIVITY OF OXYGEN DETERMINATION BY
ACTIVATION ANALYSIS IN REACTORS,
KERNENERGIE, 5, 166-170 (1962), (GERMAN),
ZENTRALINSTITUT FUR KERNPHYSIK, BEREICH
RADIOCHEMIE, ROSSENDORF BEI DRESDEN, GERMANY,

1159 LERCH, P. * KREIENBUHL, L.
THE APPLICATION OF RADIOCHEMICAL ANALYTICAL METHODS TO THE DETERMINATION OF ZINC AND CALCIUM TRACES IN GALLIUM.
CHIMIA (SWITZ.), 15, 519-522 (1961), (GERMAN) (ENGLISH SUMMARY). RADIOCHEMISCHES LABORATORIUM DES INSTITUT FUR ANORGANISCHE, ANALYTISCHE, ANALYTISCHE UND PHYSIKALISCHE CHEMIE, UNIVERSITAT BERN, SWITZERLAND.

1160 LEVINE, C.A. * SURLS, J.P., JR.
RAPID, NONDESTRUCTIVE DETERMINATION OF BERYLLIUM USING VAN DE GRAAFF X-RAYS.
ANAL. CHEM., 34, 1614-1617 (1962). (ENGLISH), THE DOW CHEMICAL CO., WESTERN DIVISION, PITTSBURG, CALIF.

1161 LIGHTOWLERS, E.C.
DETERMINATION OF SUBMICROGRAM QUANTITIES OF ALUMINUM IN NATURAL DIAMONDS BY NEUTRON ACTIVATION ANALYSIS.
ANAL. CHEM., 34, 1398-1402 (1962). (ENGLISH), WHEATSTONE PHYSICS LABORATORY, KINGS COLLEGE, UNIVERSITY OF LONDON, STRAND, LONDON, ENGLAND.

1162 LOBANOV, E.M. * ROMANOV, O.M. * ROMANOV, M.M. * KHAIDAROV, A.A.
DETERMINATION OF THE COPPER AND MANGANESE CONTENTS OF ORES BY NEUTRON RADIOACTIVATION ANALYSIS.
J. ANAL. CHEM. USSR, 16, 23-26 (1961). (ENGLISH TRANSLATION). INSTITUTE OF NUCLEAR PHYSICS, ACADEMY OF SCIENCES, UZBEKH SSSR, TASHKENT, RUSSIA.

1163 LUKENS, H.R., JR. * OTVOS, J.W. * WAGNER, C.D.
PRODUCTION OF METASTABLE ISOMERS BY PHOTOEXCITATION.
TRANS. AM. NUCL. SOC., 3, 414-415 (1960). (ENGLISH), USA.

1164 MADDOCK, R.S. * MEINKE, W.W.
ACTIVATION ANALYSIS, NUCLEAR CHEMICAL RESEARCH, RADIOCHEMICAL SEPARATIONS.
TID-14310, 152P., NOVEMBER 1, 1961. (ENGLISH), DEPARTMENT OF CHEMISTRY, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN.

1165 AUBOUIN, G, * DUGAIN, F, * LAVERLOCHERE, J,
DETERMINATION OF IMPURITIES IN TANTALUM AND
NIOBIUM BY NEUTRON RADIO ACTIVATION,
BULL, SOC, CHIM, FRANCE, 2, 547-551 (1965),
(FRENCH), DR/SAR, CEN GRENOBLE, FRANCE,

1166 MAKASHEVA, I,E, * MASLOV, I,A, * OBUKHOV, A,P,
RADIOACTIVATION ANALYSIS OF SEMICONDUCTING SILICON
BY MEANS OF A MULTI-CHANNEL GAMMA-SPECTROMETER,
J, ANAL, CHEM, USSR, 15, 375-379 (1960), (ENGLISH
TRANSLATION), PHYSICO-TECHNICAL INSTITUTE, ACADEMY
OF SCIENCES, USSR, LENINGRAD, RUSSIA,

1167 MALVANO, R, * FASOLO, G,B,
SIMULTANEOUS DETERMINATION OF NICKEL AND COBALT
TRACES BY NEUTRON ACTIVATION ANALYSIS,
ANAL, CHIM, ACTA, 30, 223-226 (1964), (ENGLISH)
(FRENCH AND GERMAN SUMMARIES), SORIN, CENTRO
RICERCHE NUCLEARI, SALUGGIA, VERCELLI, ITALY,

1168 MAPPER, D, * FRYER, J,R,
THE USE OF DITHIZONE-CELLULOSE ACETATE COLUMNS OF
INCREASED CAPACITY IN THE DETERMINATION OF INDIUM
BY PIERCE AND PECK S NEUTRON-ACTIVATION METHOD,
ANALYST, 87, 297 (1962), (ENGLISH), ANALYTICAL
CHEMISTRY BRANCH, CHEMISTRY DIVISION, AERE,
HARWELL, DIDCOT, BERKS, ENGLAND,

1169 AMIRUDDIN, A, * EHMANN, W,D,
TUNGSTEN ABUNDANCES IN METEORITIC AND TERRESTRIAL
MATERIALS,
GEOCHIM, COSMOCHIM, ACTA, 26, 1011-1022 (1962),
(ENGLISH), UNIVERSITY OF KENTUCKY, LEXINGTON,
KENTUCKY,

1170 MATSUMURA, Y, * FUJINO, R,
RADIOACTIVATION ANALYSIS OF STRONTIUM IN RAT BONE
ASH,
J, BIOCHEM,, 49, 561-565 (1961), (ENGLISH),
DEPARTMENT OF BIOCHEMISTRY, TOKYO WOMENS MEDICAL
COLLEGE, TOKYO, JAPAN,

1171 MAY, S, * PINTE, G,
QUANTITATIVE DETERMINATION OF COBALT, ARSENIC, AND
MANGANESE IN NUCLEAR STEELS BY THE METHOD OF
NEUTRON ACTIVATION,
BULL, SOC, CHIM, FRANCE, 2, 287-290 (1962),
(FRENCH), CEA, CENTRE D ETUDES NUCLEAIRES DE
SACLAY, SECTION DE CINETIQUE CHIMIQUE APPLIQUEE,
FRANCE,

1172 MEINKE, W.W.
ACTIVATION ANALYSIS UTILIZING FAST RADIOCHEMICAL SEPARATIONS AND PORTABLE NEUTRON GENERATORS, QUOTE USE OF RADIOISOTOPES IN PHYSICAL SCIENCES AND INDUSTRY QUOTE, (PROCEEDINGS OF THE IAEA CONFERENCE IN COPENHAGEN, SEPTEMBER 1960), 277-290 (1960). (ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES). DEPARTMENT OF CHEMISTRY, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICH.

1173 MERZ, E.
THE DETERMINATION OF HAFNIUM AND ZIRCONIUM IN METEORITES BY NEUTRON ACTIVATION ANALYSIS, GEOCHIM. COSMOCHIM. ACTA, 26, 347-349 (1962). (ENGLISH). ARBEITSGRUPPE RADIOCHEMIE, KERNFORSCHUNGSANLAGE, JULICH, WEST GERMANY.

1174 ENDO, T. * NAKAI, T. * HAMAGUCHI, H.
DETERMINATION OF ARSENIC AND ANTIMONY IN IRON METEORITES BY NEUTRON ACTIVATION, SYMPOSIUM ON RADIOCHEMISTRY, UNIVERSITY OF KYOTO, KYOTO, JAPAN, 7-8, NOVEMBER 2-3, 1958, (ENGLISH). TOKYO UNIVERSITY OF EDUCATION, TOKYO, JAPAN.

1175 MEZHIBORSKAYA, K.B.
PHOTONEUTRON METHOD OF DETERMINING BERYLLIUM, GOSATOMIZDAT, STATE PRESS FOR LITERATURE OF ATOMIC SCIENCE AND TECHNOLOGY, MOSCOW, 1-30 (1961). (ENGLISH TRANSLATION), RUSSIA.

1176 KAMEMOTO, Y. * NAKAI, T. * HAMAGUCHI, H.
DETERMINATION OF PLATINUM GROUP METALS IN IRON METEORITES BY NEUTRON ACTIVATION. SYMPOSIUM ON RADIOCHEMISTRY, UNIVERSITY OF KYOTO, KYOTO, JAPAN, 8, NOVEMBER 2-3, 1958, (ENGLISH). TOKYO UNIVERSITY OF EDUCATION, TOKYO, JAPAN.

1177 MIKHEEVA, L.M. * VIKHITILL, I.
DETERMINATION OF ARSENIC, PHOSPHORUS, AND SULFUR IN BERYLLIUM OXIDE BY RADIOACTIVATION ANALYSIS, J. ANAL. CHEM. USSR, 17, 82-84 (1962). (ENGLISH TRANSLATION). M.V. LOMONOSOV MOSCOW STATE UNIVERSITY AND THE HIGH TECHNICAL SCHOOL, DRESDEN, EAST GERMANY.

1178 MILNER, G.W.C. * EDWARDS, J.W.
THE DETERMINATION OF BERYLLIUM BY THE PHOTONEUTRON METHOD. UKAEA PG REPORT 171, 55-72 (1960). (ENGLISH). ANALYTICAL CHEMISTRY BRANCH, AERE, HARWELL, ENGLAND.

1179 BOCK-WERTHMANN, W.
AED INFORMATION SERVICE, BIBLIOGRAPHIC REVIEW OF
SELECTED SUBJECTS.
AED-C-1402, 217P., 15 FEBRUARY 1963, (ENGLISH).
HAHN-MEITNER INSTITUT FUR KERNFORSCHUNG BERLIN,
GERMANY.

1180 MORGAN, J.W. * LOVERING, J.F.
THE DETERMINATION OF URANIUM AND THORIUM IN ROCKS
BY NEUTRON ACTIVATION ANALYSIS.
ANAL. CHIM. ACTA, 28, 405-417 (1963). (ENGLISH)
(FRENCH AND GERMAN SUMMARIES). DEPARTMENT OF
GEOPHYSICS, INSTITUTE OF ADVANCED STUDIES,
AUSTRALIAN NATIONAL UNIVERSITY, CANBERRA, A.C.T.,
AUSTRALIA.

1181 CHOI, S.S. * TUCK, D.G.
A NEUTRON-ACTIVATION STUDY OF THE SOLUBILITY OF
MERCURY IN WATER.
J. CHEM. SOC., 4080-4088 (1962), (ENGLISH).
DEPARTMENT OF CHEMISTRY, UNIVERSITY OF NOTTINGHAM,
ENGLAND.

1182 MORRIS, D.F.C. * KILLICK, R.A.
THE DETERMINATION OF MERCURY IN ROCKS BY
NEUTRON-ACTIVATION ANALYSIS.
TALANTA, 11, 781-788 (1964). (ENGLISH) (GERMAN
AND FRENCH SUMMARIES). DEPARTMENT OF CHEMISTRY,
BRUNEL COLLEGE, LONDON, ENGLAND.

1183 MORRIS, D.F.C. * KILLICK, R.A.
THE DETERMINATION OF TRACES OF COBALT IN SAMPLES
OF PLATINUM BY NEUTRON-ACTIVATION ANALYSIS.
TALANTA, 10, 987-990 (1963). (ENGLISH) (GERMAN AND
FRENCH SUMMARIES). DEPARTMENT OF CHEMISTRY, BRUNEL
COLLEGE, LONDON, W.3, ENGLAND.

1184 MORRIS, D.F.C. * KILLICK, R.A.
THE DETERMINATION OF TRACES OF IRON IN SAMPLES OF
PLATINUM BY NEUTRON-ACTIVATION ANALYSIS.
TALANTA, 10, 1153-1157 (1963). (ENGLISH) (GERMAN
AND FRENCH SUMMARIES. DEPARTMENT OF CHEMISTRY,
BRUNEL COLLEGE, LONDON W.3, ENGLAND.

1185 MORRIS, D.F.C. * SLATER, D.N.
HAFNIUM IN THE ROCK G-1 DETERMINED BY
NEUTRON-ACTIVATION ANALYSIS.
GEOCHIM. COSMOCHIM. ACTA, 27, 285 (1963).
(ENGLISH). DEPARTMENT OF CHEMISTRY, BRUNEL
COLLEGE, LONDON, ENGLAND.

1186 PROUZA, Z, * RAKOVIC, M,
THE RESONANCE NEUTRONS IN ACTIVATION ANALYSIS,
PART I. THEORY.
ISOTOPENPRAXIS, 3, 389-394 (1967), (ENGLISH),
VETERINARY RESEARCH CENTRE AND DEPARTMENT OF
MEDICAL PHYSICS AND NUCLEAR MEDICINE, CHARLES
UNIVERSITY, PRAGUE, CZECHOSLOVAKIA,

1187 MOSEN, A.W. * SCHMITT, R.A, * VASILEVSKIS, J,
A PROCEDURE FOR THE DETERMINATION OF THE RARE
EARTH ELEMENTS, LANTHANUM THROUGH LUTETIUM, IN
CHRONDRITIC, ACHONDRITIC AND IRON METEORITES BY
NEUTRON-ACTIVATION ANALYSIS,
ANAL. CHIM. ACTA, 25, 10-24 (1961), (ENGLISH)
(FRENCH AND GERMAN SUMMARIES), JOHN JAY HOPKINS
LABORATORY FOR PURE AND APPLIED SCIENCE, GENERAL
ATOMIC DIVISION OF GENERAL DYNAMICS CORP., SAN
DIEGO, CALIF.

1188 MULLINS, W.T.
NEUTRON-ACTIVATION ANALYSIS OF SOLUTIONS OF
RADIOACTIVE STRONTIUM FOR STABLE BARIUM,
ORNL-3060, 36, 42, FEBRUARY 15, 1961, (ENGLISH),
OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN,

1189 MULLINS, W.T. * LEDDICOTTE, G.W,
DETERMINATION OF U-235, U-238, AND TH-232 IN
BERYLLLIUM METAL BY NEUTRON ACTIVATION.
ORNL-3060, 42, FEBRUARY 15, 1961, (ENGLISH), OAK
RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1190 MULLINS, W.T. * LEDDICOTTE, G.W,
RADIOCHEMICAL SEPARATIONS USED IN
NEUTRON-ACTIVATION ANALYSIS,
ORNL-3060, 43-46, FEBRUARY 15, 1961, (ENGLISH) OAK
RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1191 NEGINA, V.R. * ZAMYATNINA, V.N.
QUANTITATIVE DETERMINATION OF TRACES OF BARIUM,
NICKEL, COPPER, ANTIMONY, MOLYBDENUM, MANGANESE,
CADMIUM, TIN, GOLD, AND ARSENIC IN METALLIC
BERYLLIUM BY A RADIOACTIVATION METHOD,
J. ANAL. CHEM. USSR, 16, 217-220 (1961), (ENGLISH
TRANSLATION). RUSSIA,

1192 NIEMANN, E.
RADIOACTIVATION ANALYSIS DETERMINATION OF
MANGANESE AND ARSENIC IN GRAPHITE REACTOR TESTS.
Z. ELEKTROCHEMIE, 64, 1080-1083 (1960). (GERMAN),
FARBWERKE HOECHST AG, VORMALS MEISTER LUCIUS AND
BRUNING, FRANKFURT (M)-HOECHST, GERMANY,

1193 NIESE, S. * ROMMEL, H. * MORZEK, P. * HEROLD, C.
ACTIVATION ANALYSIS PURITY TESTING OF TARGETS FOR ISOTOPE PRODUCTION.
ACTA CHIM. ACAD. SCI. HUNG., 26, 235-241 (1961). (GERMAN). ZENTRALINSTITUT FUR KERNPHYSIK, ROSSENDORF. BEREICH RADIOCHEMIE, GERMANY.

1194 NOZAKI, T. * TANAKA, S. * FURUKAWA, M. * SAITO, K.
RADIOACTIVATION ANALYSIS OF OXYGEN IN SILICON BY IRRADIATION WITH ALPHA-PARTICLES IN A CYCLOTRON.
NATURE, 190, 39-40 (1961). (ENGLISH). INSTITUTE FOR NUCLEAR STUDY, UNIVERSITY OF TOKYO, TANASHI, JAPAN.

1195 OKADA, M.
RAPID ANALYSIS OF ERBIUM BY NEUTRON ACTIVATION FOLLOWED BY GAMMA-RAY SPECTROMETRY.
NATURE, 188, 52 (1960). (ENGLISH). GOVERNMENT CHEMICAL INDUSTRIAL RESEARCH INSTITUTE, TOKYO, 1-CHOME, HONMACHI, SHIBUYA-KU, TOKYO, JAPAN.

1196 OKADA, M.
RAPID MICRODETERMINATION OF SCANDIUM AND DYSPROSIUM IN RARE-EARTH-RICH MATERIALS BY NEUTRON ACTIVATION AND GAMMA-RAY SPECTROMETRY.
ANAL. CHEM., 33, 1949-1953 (1961). (ENGLISH). GOVERNMENT CHEMICAL INDUSTRIAL RESEARCH INSTITUTE, TOKYO, HON-MACHI, SHIBUYA-KU, TOKYO, JAPAN.

1197 OKADA, M.
RAPID DETERMINATION OF RUBIDIUM IN CAESIUM NITRATE BY NEUTRON ACTIVATION.
NATURE, 198, 577 (1963). (ENGLISH). GOVERNMENT CHEMICAL INDUSTRIAL RESEARCH INSTITUTE, TOKYO, HON-MACHI, SHIBUYA, TOKYO, JAPAN.

1198 SANO, H. * SAIRENJI, E. * SAITO, N.
RADIOACTIVATION ANALYSIS OF PHOSPHORUS IN BIOLOGICAL MATERIALS BY (N, P) REACTION.
SYMPOSIUM ON RADIOCHEMISTRY, UNIVERSITY OF KYOTO, KYOTO, JAPAN, 12-13, NOVEMBER 2-3, 1958. (ENGLISH). DEPARTMENT OF CHEMISTRY, FACULTY OF SCIENCE, UNIVERSITY OF TOKYO, TOKYO, JAPAN.

1199 OKADA, M.
RAPID MICRODETERMINATION OF DYSPROSIUM IN TERBIUM OXIDE BY NEUTRON ACTIVATION AND GAMMA-RAY SPECTROMETRY.
BULL. CHEM. SOC. JAPAN, 35, 873-875 (1962). (ENGLISH). GOVERNMENT CHEMICAL INDUSTRIAL RESEARCH INSTITUTE, TOKYO, SHIBUYA-KU, TOKYO, JAPAN.

1200 OKADA, M. * KAMEMOTO, Y.
RAPID NON-DESTRUCTIVE ANALYSIS OF CHLORINE BY NEUTRON ACTIVATION.
NATURE, 199, 276 (1963), (ENGLISH), GOVERNMENT CHEMICAL INDUSTRIAL RESEARCH INSTITUTE, HON-MACHI, SHIBUYA-KU, TOKYO, JAPAN.

1201 KIM, C.K. * MEINKE, W.W.
SIMULTANEOUS DETERMINATION OF NIOBIUM AND TANTALUM BY NEUTRON ACTIVATION USING NIOBIUM-94M AND TANTALUM-182M AND RAPID RADIOCHEMICAL SEPARATIONS.
ANAL. CHEM., 35, 2135-2138 (1963), (ENGLISH), DEPARTMENT OF CHEMISTRY, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN.

1202 KUSAKA, Y. * TSUJI, H.
RADIOACTIVATION ANALYSIS OF INDIUM USING RADIUM PLUS BERYLLIUM NEUTRON SOURCE. (PART II) STUDIES ON NEUTRON IRRADIATION FOR AQUEOUS SOLUTION OF A SAMPLE.
SYMPOSIUM ON RADIOCHEMISTRY, SHIZUOKA UNIVERSITY, SHIZUOKA, JAPAN, 95-97, OCTOBER 8-10, 1959. (ENGLISH). DEPARTMENT OF CHEMISTRY, FACULTY OF SCIENCE, KONAN UNIVERSITY, JAPAN.

1203 OTVINOWSKI, W. * JAKOWLEW, J.W.
THE DETERMINATION OF THE SELENIUM CONTENT OF NICOTINIC ACID BY NEUTRON ACTIVATION ANALYSIS.
ACTA CHIM. ACAD. SCI. HUNG., 26, 243-251 (1961), (RUSSIAN), ABT. FUR TECHNISCHE PHYSIK DER INSTITUT FUR ALLGEMEINE CHEMIE, WARSCHAU, POLAND.

1204 OWENS, G.C.
THE DETERMINATION OF SUBMICROGRAM AMOUNTS OF COBALT AND MANGANESE IN SAMPLES OF RADIOACTIVE STAINLESS STEEL OXIDES.
BETTIS TECHNICAL REVIEW WAPD-BT-24, 89-98 (DECEMBER 1961), (ENGLISH), BETTIS ATOMIC POWER LAB., PITTSBURGH, PA.

1205 PAPPAS, A.C. * ALSTAD, J. * LUNDE, G.
DETERMINATION OF TRACE ELEMENTS IN OPIUM BY MEANS OF ACTIVATION ANALYSIS. I. METHODS OF ANALYSIS AND STUDIES REFERRING TO THE DETERMINATION OF THE ORIGIN OF OPIUM.
RADIOCHIM. ACTA, 1, 109-117 (1963), (ENGLISH) (GERMAN AND FRENCH SUMMARIES), DEPARTMENT OF CHEMISTRY, UNIVERSITY OF OSLO, BLINDERN, NORWAY.

1206 PAPAVASILIOU, P.S. * COTZIAS, G.C.
NEUTRON ACTIVATION ANALYSIS THE DETERMINATION OF MANGANESE.
J. BIOL. CHEM., 236, 2365-2369 (1961), (ENGLISH), MEDICAL RESEARCH CENTER, BROOKHAVEN NATIONAL LABORATORY, UPTON, L.I., NEW YORK.

1207 LOBANOV, E.M. * ZVYAGIN, V.I. * KIST, A.A. * ZVEREV, B.P. * SVIRIDOVA, A.I. * MOSKOVTSEVA, G.A.
DETERMINATION OF MANGANESE IN SILICON BY A RADIOACTIVATION METHOD.
J. ANAL. CHEM. USSR, 18, 1173-1178 (1963), (ENGLISH TRANSLATION), INSTITUTE OF NUCLEAR PHYSICS, ACADEMY OF SCIENCES, UZB SSR, RUSSIA.

1208 NOZAKI, T. * BABA, H. * ARAKI, H. * KAWASHIMA, T.
NEUTRON ACTIVATION ANALYSIS OF HALOGENS IN SILICON.
SYMPOSIUM ON RADIOCHEMISTRY, SHIZUOKA UNIVERSITY, SHIZUOKA, JAPAN, 98-100, OCTOBER 8-10, 1959, (ENGLISH). ELECTRICAL COMMUNICATION LABORATORY, JAPAN.

1209 PIERCE, T.B. * PECK, P.F.
A RAPID METHOD FOR DETERMINING INDIUM BY NEUTRON ACTIVATION.
ANALYST, 86, 580-584 (1961), (ENGLISH). UKAEA, AERE, HARWELL, DIDCOT, BERKS. ENGLAND.

1210 PIERCE, T.B. * PECK, P.F.
THE DETERMINATION OF ZINC BY NEUTRON ACTIVATION.
ANALYST, 87, 369-373 (1962), (ENGLISH), UKAEA, AERE, HARWELL, DIDCOT, BERKS, ENGLAND.

1211 PIJCK, J. * GILLIS, J. * HOSTE, J.
THE DETERMINATION OF CU, CR, ZN AND CO IN THE SERUM BY RADIOACTIVATION.
INTERN. J. APPL. RAD. AND ISOTOPES, 10, 149-157 (1961). (FRENCH) (ENGLISH, RUSSIAN AND GERMAN SUMMARIES). LABORATOIRE DE CHIMIE ANALYTIQUE, UNIVERSITE DE GAND, BELGIQUE.

1212 REED, G.W, * KIGOSHI, K, * TURKEVICH, A,
DETERMINATIONS OF CONCENTRATIONS OF HEAVY ELEMENTS IN METEORITES BY ACTIVATION ANALYSIS,
GEOCHIM, COSMOCHIM, ACTA, 20, 122-140 (1960),
(ENGLISH), ARGONNE NATIONAL LABORATORY, LEMONT, ILLINOIS,

1213 RHODES, D,F, * MOTT, W,E,
RAPID DETERMINATION OF ALUMINUM IN MINERALS AND ROCKS BY THERMAL NEUTRON ACTIVATION ANALYSIS,
ANAL, CHEM., 34, 1507-1508 (1962), (ENGLISH),
GULF RESEARCH AND DEVELOPMENT CO,, PITTSBURGH, PA,

1214 RUSHBROOK, P,R, * EHMANN, W,D,
IRIDIM IN STONE METEORITES BY NEUTRON ACTIVATION ANALYSIS,
GEOCHIM, COSMOCHIM, ACTA, 26, 649-657 (1962),
(ENGLISH), DEPARTMENT OF CHEMISTRY, UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY,

1215 SHAMAEV, V,I,
ANALYSIS OF MICROIMPURITIES IN SELENIUM AND IN TELLURIUM BY NEUTRON ACTIVATION,
RADIOCHEMISTRY, USSR, 113-118 (1960), (ENGLISH TRANSLATION), RUSSIA,

1216 SCHROEDER, G.L, * WINCHESTER, J,W,
DETERMINATION OF SODIUM IN SILICATE MINERALS AND ROCKS BY NEUTRON ACTIVATION ANALYSIS,
ANAL, CHEM., 34, 96-99 (1962), (ENGLISH),
DEPARTMENT OF GEOLOGY AND GEOPHYSICS, MIT, CAMBRIDGE, MASS,

1217 SELZ, J, * HAERDI, W, * MONNIER, D,
DETERMINATION OF TRACE ELEMENTS IN WATER AND OTHER LIQUIDS BY ACTIVATION WITH THERMAL NEUTRONS, BY FORMATION OF ISOTOPES OF SHORT HALF LIVES,
CHIMIA, 17, NO, 11, 354-355 (1963), (FRENCH),
LABORATOIRES DE CHIMIE MINERALE, DE CHIMIE ANALYTIQUE ET DE MICROCHIMIE, DE L UNIVERSITE, ECOLE DE CHIMIE DE GENEVE,

1218 SEVAST YANOV, Y,G, * BULANOV, L,A, * KAPLAN, E,P, * NEFEDOV, O,M, * SMIRNOV-AVERIN, A,P,
AN ACTIVATION METHOD FOR THE QUANTITATIVE DETERMINATION OF IMPURITIES OF ORGANICALLY COMBINED SULFUR IN POLYPHENYLS,
ATOMIC ENERGY (USSR), 14, 325-326 (1963),
(ENGLISH TRANSLATION), RUSSIA,

1219 SIMON, L.
THE DETERMINATION OF C IN IRON BY THE
RADIOACTIVATION METHOD.
HUTNICKE LISTY, 13, 708-711 (1958). (CZECH).
CZECHOSLOVAKIA.

1220 SIMPSON, H.
THE EMPIRICAL FORMULAE OF INTERMETALLIC COMPOUNDS
BY NEUTRON ACTIVATION.
ACTA CRYST., 17, 59-60 (1964). (ENGLISH).
WANTAGE RESEARCH LABORATORIES, AERE, WANTAGE,
BERKSHIRE, ENGLAND.

1221 SION, H. * HOSTE, J. * GILLIS, J.
COLLECTION OF MERCURY FROM URINE AND DETERMINATION
BY NEUTRON ACTIVATION ANALYSIS.
MICROCHEMICAL TECHNIQUES, 959-973 (1961).
(ENGLISH). LABORATORY FOR ANALYTICAL CHEMISTRY,
GHENT UNIVERSITY, BELGIUM.

1222 SMALES, A.A. * HUGHES, T.C. * MAPPER, D. *
MC INNES, C.A.J. * WEBSTER, R.K.
THE DETERMINATION OF RUBIDIUM AND CAESIUM IN STONY
METEORITES BY NEUTRON ACTIVATION ANALYSIS AND BY
MASS SPECTROMETRY.
GEOCHIM. COSMOCHIM. ACTA, 28, 209-233 (1964).
(ENGLISH). ANALYTICAL CHEMISTRY GROUP, AERE,
HARWELL, BERKSHIRE, ENGLAND.

1223 ISAEVA, E.A. * MAKASHEVA, I.E. * OBUKHOV, A.P.
ANALYSIS OF PURE SILICON CARBIDE BY NEUTRON
ACTIVATION.
J. ANAL. CHEM. USSR, 18, 847-850 (1963). (ENGLISH
TRANSLATION). A.F. IOFFE PHYSICO-TECHNICAL
INSTITUTE, ACADEMY OF SCIENCES, USSR, LENINGRAD,
RUSSIA.

1224 SMITH, H.
ESTIMATION OF MERCURY IN BIOLOGICAL MATERIAL BY
NEUTRON ACTIVATION ANALYSIS.
ANAL. CHEM., 35, 635-636 (1963). (ENGLISH).
DEPARTMENT OF FORENSIC MEDICINE, THE UNIVERSITY,
GLASGOW, SCOTLAND.

1225 SMITH, H. * FORSHUFVUD, S. * WASSEN, A.
DISTRIBUTION OF ARSENIC IN NAPOLEON S HAIR.
NATURE, 194, 725-726 (1962). (ENGLISH).
DEPARTMENT OF FORENSIC MEDICINE, UNIVERSITY OF
GLASGOW.

1226 ROSS, W.J.
ACTIVATION ANALYSIS OF HIGH PURITY MATERIALS.
ANAL. CHEM., 36, 1114-1119 (1964). (ENGLISH).
ANALYTICAL CHEMISTRY DIVISION, OAK RIDGE NATIONAL
LABORATORY, OAK RIDGE, TENN.

1227 SPITSYN, V.I. * GLAZUNOV, M.P. * KODOCHIGOV, P.N. *
IONOV, V.P.
DETERMINATION OF SODIUM IN METALLIC TUNGSTEN BY A
RADIOACTIVATION METHOD.
J. ANAL. CHEM. USSR, 18, 1100-1101 (1963).
(ENGLISH TRANSLATION). INSTITUTE OF PHYSICAL
CHEMISTRY, ACADEMY OF SCIENCES, USSR, MOSCOW,
RUSSIA.

1228 STEELE, E.L. * MEINKE, W.W.
DETERMINATION OF RHODIUM BY THERMAL NEUTRON
ACTIVATION ANALYSIS USING GAMMA-RAY SPECTROMETRY.
ANAL. CHIM. ACTA, 26, 269-274 (1962). (ENGLISH)
(FRENCH AND GERMAN SUMMARIES). DEPARTMENT OF
CHEMISTRY, UNIVERSITY OF MICHIGAN, ANN ARBOR,
MICHIGAN.

1229 VOLBORTH, A.
TOTAL INSTRUMENTAL ANALYSIS OF ROCKS, PART B.
OXYGEN DETERMINATION BY NEUTRON ACTIVATION.
NEVADA BUREAU OF MINES REPORT NO. 6, B-1-B-13
(1963). (ENGLISH). MACKAY SCHOOL OF MINES,
UNIVERSITY OF NEVADA.

1230 STUDIER, M.H. * POSTMUS, C., JR. * MECH, J. *
WALTERS, R.R. * SLOTH, E.N.
A GENERALIZED PROCEDURE FOR THE ISOLATION OF
IODINE WITHOUT CARRIER--ITS DETERMINATION BY
NEUTRON ACTIVATION USING I-129 AS AN ISOTOPIC
CARRIER.
ANL-6577. 10P., JULY 1962. (ENGLISH). ARGONNE
NATIONAL LABORATORY, ARGONNE, ILLINOIS.

1231 TODD, R. * CUTHBERT, G. * DICKINSON, R.
THE DETERMINATION OF ANTIMONY AND COBALT IN
MAGNESIUM-BASE ALLOYS BY NEUTRON ACTIVATION
ANALYSIS.
UKAEA PG REPORT 337(S), 38P. (1962). (ENGLISH).
UKAEA PRODUCTION GROUP, RISLEY, WARRINGTON,
LANCASHIRE, ENGLAND.

1232 TOMITA, I, * SAISHO, H,
RADIOACTIVATION ANALYSIS OF NIOBIUM IN TANTALUM BY
IRRADIATION WITH PROTONS IN A CYCLOTRON,
NATURE, 195, 1189-1190 (1962), (ENGLISH),
DEPARTMENT OF CHEMISTRY, UNIVERSITY OF TOKYO,
HONGO, TOKYO, JAPAN,

1233 VACIK, J.P. * CHRISTIAN, J.E,
APPLICATION OF NEUTRON ACTIVATION ANALYSIS TO THE
MICROANALYSIS OF GOLD-CONTAINING PHARMACEUTICALS
IN BIOLOGICAL MATERIALS,
J. PHARMACEUTICAL SCIENCES, 50, 225-227 (1961),
(ENGLISH). BIONUCLEONICS DEPARTMENT, SCHOOL OF
PHARMACY, PURDUE UNIVERSITY, LAFAYETTE, IND,

1234 VAN ZANTEN, B, * DECAT, D, * LELIAERT, G,
ACTIVATION ANALYSIS OF MOLYBDENUM IN PLANT
MATERIAL,
TALANTA, 9, 213-218 (1962), (ENGLISH) (GERMAN AND
FRENCHSUMMARIES), CENTRE D ETUDE DE L ENERGIE
NUCLEAIRE, CHEMISTRY DEPARTMENT, MOL, DONK,
BELGIUM,

1235 ZAMYATINA, V.N. * CHIKISHEVA, L.A,
QUANTITATIVE DETERMINATION OF THE TOTAL RARE EARTH
ELEMENTS, RUTHENIUM, PALLADIUM, AND PLATINUM IN
METALLIC BERYLLIUM BY AN ACTIVATION METHOD.
RADIOCHEMISTRY, USSR, 5, NO, 3, 265-268 (1963),
(ENGLISH TRANSLATION), RUSSIA,

1236 WALKER, F.W,
THE DETERMINATION OF HAFNIUM IN ZE-4 AND ZE-6
ZIRCONIUM METAL STANDARDS BY THE STABLE ISOTOPE
DILUTION AND NEUTRON ACTIVATION METHODS,
KAPL-M-FW-4, 24P., DECEMBER 21, 1961, (ENGLISH),
KNOLLS ATOMIC POWER LABORATORY, GENERAL ELECTRIC
CO., SCHENECTADY, NEW YORK,

1237 WAYMAN, C.H,
SIMULTANEOUS DETERMINATION OF SULFUR AND
PHOSPHORUS IN WATER BY NEUTRON ACTIVATION
ANALYSIS,
ANAL. CHEM., 36, 665-666 (1964), (ENGLISH), U.S,
GEOLOGICAL SURVEY, DENVER, COLORADO,

1238 CHEPEL, L.V, * CHAPYZHNIKOV, B.A, * VITING, B.I,
A RADIOACTIVATION METHOD FOR DETERMINING OXYGEN IN
CERTAIN POLYMERS,
J. ANAL. CHEM, USSR, 18, 749-754 (1963), (ENGLISH
TRANSLATION). L. YA. KARPOV PHYSICO-CHEMICAL
INSTITUTE, MOSCOW, RUSSIA.

1239 WESTERMARK, T, * SJOSTRAND, B, * BETHGE, P.O.
ACTIVATION ANALYSIS OF MERCURY IN CELLULOSE PRODUCTS.
SVENSK PAPPERSTIDNING, 63, 258-262 (1960), (ENGLISH) (SWEDISH AND GERMAN SUMMARIES), DIVISION OF PHYSICAL CHEMISTRY, ROYAL INSTITUTE OF TECHNOLOGY, STOCKHOLM, SWEDEN,

1240 WILLIAMS, A.I.
THE DETERMINATION OF TRACE IMPURITIES IN HIGH-PURITY SELENIUM.
ANALYST, 86, 172-177 (1961), (ENGLISH), NATIONAL PHYSICAL LABORATORY, TEDDINGTON, MIDDLESEX, ENGLAND,

1241 SOLVSTEN, S.
DETERMINATION OF GOLD IN SERUM AND URINE BY NEUTRON ACTIVATION ANALYSIS,
SCAND. J. CLIN. LAB. INVEST., 16, NO. 1, 39-44 (1964). (ENGLISH). DEPARTMENT OF DIAGNOSTIC RADIOLOGY, ISOTOPE LABORATORY, RIGSHOSPITALET, COPENHAGEN, DENMARK,

1242 BLOMSTRAND, R, * NAKAYAMA, F,
APPLICATION OF NEUTRON ACTIVATION PAPER CHROMATOGRAPHIC ANALYSIS OF PHOSPHOLIPIDS IN CLINICAL INVESTIGATION.
SCAND. J. CLIN. LAB. INVEST., 14, NO. 1, 28-35 (1962). (ENGLISH). SWEDISH MEDICAL RESEARCH COUNCIL, UNIT FOR BIOCHEMICAL RESEARCH ON ARTHEROSCLEROSIS, UNIVERSITY OF LUND, SWEDEN.

1243 ZEMAN, A. * STARY, J. * RUZICKA, J.
A NEW PRINCIPLE OF ACTIVATION-ANALYSIS SEPARATIONS--V. SUBSTOICHIOMETRIC DETERMINATION OF TRACES OF INDIUM,
TALANTA, 10, 981-985 (1963), (ENGLISH) (GERMAN AND FRENCH SUMMARIES), DEPARTMENT OF NUCLEAR CHEMISTRY, FACULTY OF TECHNICAL AND NUCLEAR PHYSICS, PRAHA, BREHOVA, CZECHOSLOVAKIA,

1244 ZEMAN, A. * RUZICKA, J. * STARY, J.
A NEW PRINCIPLE OF ACTIVATION ANALYSIS SEPARATIONS--II. SUBSTOICHIOMETRIC DETERMINATION OF TRACES OF ZINC AND COPPER IN GERMANIUM DIOXIDE,
TALANTA, 10, 685-689 (1963), (ENGLISH) (GERMAN AND FRENCH SUMMARIES), DEPARTMENT OF NUCLEAR CHEMISTRY, FACULTY OF NUCLEAR PHYSICS, PRAHA, BREHOVA, CZECHOSLOVAKIA,

1245 ZMIJEWSKA, W. * KOZMINSKA, D.
DETERMINATION OF TRACE IMPURITIES IN ALUMINUM BY NEUTRON ACTIVATION METHOD FOLLOWED BY GAMMA-RAY SPECTROMETRY.
CHEM. ANAL. (WARSAW), 9, 469-474 (1964), (ENGLISH). DEPARTMENT OF ANALYTICAL CHEMISTRY, INSTITUTE OF NUCLEAR RESEARCH, WARSZAWA, POLAND.

1246 ZVYAGINTSEV, O.E. * SHAMAEV, V.I.
DETERMINATION OF SOME MICROIMPURITIES IN HIGH QUALITY SELENIUM.
J. ANAL. CHEM. USSR, 14, 663-666 (1959), (ENGLISH TRANSLATION). D.I. MENDELEEV MOSCOW CHEMICO-TECHNOLOGICAL INSTITUTE, RUSSIA.

1247 ZVYAGINTSEV, O.E. * SHAMAEV, V.I.
DETERMINATION OF CERTAIN MICROIMPURITIES IN HIGH-PURITY SELENIUM.
J. ANAL. CHEM. USSR, 15, 369-373 (1960), (ENGLISH TRANSLATION). D.I. MENDELEEV MOSCOW CHEMICO-TECHNOLOGICAL INSTITUTE, RUSSIA.

1248 ANDERS, O.U. * BRIDEN, D.W.
A RAPID, NONDESTRUCTIVE METHOD OF PRECISION OXYGEN ANALYSIS BY NEUTRON ACTIVATION.
ANAL. CHEM., 36, 287-292 (1964), (ENGLISH). RADIOCHEMISTRY RESEARCH LABORATORY, THE DOW CHEMICAL CO., MIDLAND, MICH.

1249 ATEN, A.H.W., JR.
ACTIVATION ANALYSIS.
CHEM. WEEKBLAD, 56, 94-98 (1960), (DUTCH). INSTITUTE FOR NUCLEAR RESEARCH, AMSTERDAM, NETHERLANDS.

1250 COMAR, D.
THE DETERMINATION OF IODINE IN BIOLOGICAL MEDIA USING RADIOACTIVATION ANALYSIS.
CEA-2095, 61P., 1963. (FRENCH) (ENGLISH SUMMARY), CEN, SACLAY, FRANCE.

1251 CHOY, S.C. * SCHMITT, R.A.
GAMMA-RAY SPECTRA ANALYSED BY COMPUTER PROGRAMME USING THE PEAK AREA METHOD.
NATURE, 205, 758-760 (1965), (ENGLISH). GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORP., SAN DIEGO, CALIF.

1252 BORN, H.J. * RIEHL, N.
ACTIVATION ANALYSIS DETERMINATION OF SMALL AMOUNTS OF OXYGEN IN SOLIDS,
ANGEW. CHEM., 72, 559-562 (1960), (GERMAN),
INSTITUT FUR RADIOCHEMIE UND LABORATORIUM FUR TECHNISCHE PHYSIK DER T.H. MUCHEN, GERMANY.

1253 CALI, J.P. * WEINER, J.R.
PRACTICAL NEUTRON ACTIVATION ANALYSIS FOR THE ELECTRONIC SCIENTIST,
J. ELECTROCHEM. SOC., 107, 1015-1019 (1960),
(ENGLISH), UNITED STATES AIR FORCE CAMBRIDGE RESEARCH LABORATORIES, AIR RESEARCH AND DEVELOPMENT COMMAND, BEDFORD, MASS.

1254 COLOMBO, U.P. * SIRONI, G. * FASOLO, G.B. * MALVANO, R.
SYSTEMATIC NEUTRON ACTIVATION TECHNIQUE FOR THE DETERMINATION OF TRACE METALS IN PETROLEUM.
ANAL. CHEM., 36, 802-807 (1964), (ENGLISH).
GEOCHEMISTRY DEPARTMENT, G. DONEGANI RESEARCH INSTITUTE, MONTECATINI CO., NOVARA, ITALY.

1255 COOK, G.B. * CRESPI, M.B.A. * MINCZEWSKI, J.
INTERNATIONAL COMPARISON OF ANALYTICAL METHODS FOR NUCLEAR MATERIALS--I. ACCURACY AND PRECISION OF SOME TECHNIQUES IN ROUTINE TRACE ANALYSIS,
TALANTA, 10, 917-929 (1963), (ENGLISH) (GERMAN AND FRENCH SUMMARIES), IAEA, SEIBERSDORF LABORATORY, SEIBERSDORF NIEDEROESTERREICH, AUSTRIA.

1256 DEMILDT, A.C.
MICROACTIVATION ANALYSIS FOR OXYGEN IN THE ACTINIDE METALS,
ANAL. CHEM., 35, 1228-1230 (1963), (ENGLISH),
LAWRENCE RADIATION LABORATORY, UNIVERSITY OF CALIFORNIA, BERKELEY, CALIF.

1257 KAMEDA, K.
STUDY ON ABUNDANCE OF RARE EARTH ELEMENTS IN MARINE ORGANISMS,
J. RADIATION RES. (JAPAN), 3, 89-103 (JUNE 1962),
(ENGLISH), JAPAN ATOMIC ENERGY RESEARCH INSTITUTE, TOKAI, IBARAGI PREF., JAPAN

1258 GILMORE, J.T. * HULL, D.E.
NEUTRON FLUX MONITORING FOR ACTIVATION ANALYSIS OF OXYGEN.
ANAL. CHEM., 35, 1623-1626 (1963), (ENGLISH),
CALIFORNIA RESEARCH CORP., RICHMOND, CALIF.

1259 GRUNEWALD, R. * SIEMER, P.L. * CHRISTIAN, J.E.
LARGE VOLUME ACTIVATION ANALYSIS OF ORGANICALLY
BOUND IODINE USING NEUTRON SOURCES,
ANAL. CHEM., 36, 1138-1140 (1964). (ENGLISH),
BIONUCLEONICS DEPARTMENT, PURDUE UNIVERSITY, W.
LAFAYETTE, INDIANA.

1260 MAXIA, V. * MELONI, S. * ROLLIER, M.A. *
SPADACCINO, E.
NON-DESTRUCTIVE MACRODETERMINATION OF IRIDIUM IN
OSMIUM BY LOW FLUX NEUTRONIC RADIOACTIVATION,
RICERCA SCIENTIFICA REND., A, 1, 17-22 (1961),
(ITALIAN) (FRENCH, ENGLISH AND GERMAN SUMMARIES),
INSTITUTO DI CHIMICA GENERALE, UNIVERSITA DI
CAGLIARI, ITALY.

1261 KAMEMOTO, Y. * ONODA, Y.
STUDIES ON NEUTRON SHIELDING OF METALS IN THERMAL
NEUTRON ACTIVATION,
NIPPON KAGAKU ZASSHI, 83, 1164-1167 (1962).
(JAPANESE) (ENGLISH SUMMARY), JAPAN ATOMIC ENERGY
RESEARCH INSTITUTE, NAKA-GUN, IBARAKI, JAPAN.

1262 DEBIESSE, J. * CHALLANSONNET, J. * NEYRET, G.
USE OF RADIOELEMENTS FOR THE STUDY OF OXIDE
CATHODES.
COMPT. REND., 232, 602-604 (1951). (FRENCH),
FRANCE.

1263 ENGELMANN, C. * GOSSET, J. * LOEUILLET, M.
ROUTINE ACTIVATION ANALYSIS OF CERTAIN IMPURITIES
OF BERYLLIUM.
BULL. SOC. CHIM. FRANCE, 2, 544-547 (1965).
(FRENCH). COMMISSARIAT A L ENERGIE ATOMIQUE,
DEPARTMENT DE METALLURGIE, FRANCE.

1264 KIESL, W. * BILDSTEIN, H. * SORANTIN, H.
ACTIVATION ANALYTICAL DETERMINATION OF IMPURITIES
IN ALUMINUM, I. DETERMINATION OF MANGANESE AND
GALLIUM.
MIKROCHIM. ACTA, 7, 151-156 (1963), (GERMAN)
(ENGLISH AND FRENCH SUMMARIES), REAKTORZENTRUM
SEIBERSDORF DER OSTERR. STUDIENGESSELLSCHAFT FUR
ATOMENERGIE GES.M.B.H. UND DEM ANALYTISCHEN
INSTITUT DER UNIVERSITAT WIEN, AUSTRIA.

1265 STRAIN, H.H.
ELECTROCHROMATOGRAPHIC AND NEUTRON-ACTIVATION PROCEDURES FOR THE SEPARATION AND ESTIMATION OF THE ALKALI METAL CATIONS.
PROC. JAPAN CONF. RADIOISOTOPES, 4TH, 558-561. (ENGLISH). ARGONNE NATIONAL LABORATORY, ILLINOIS.

1266 DUCE, R.A. * WASSON, J.T. * WINCHESTER, J.W. * BURNS, F.
ATMOSPHERIC IODINE, BROMINE, AND CHLORINE.
J. GEOPHYS. RES., 68, 3943-3947 (1963). (ENGLISH). MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MASS.

1267 KUSAKA, Y.
RADIOACTIVATION ANALYSIS OF MANGANESES BY USE OF LOW LEVEL NEUTRON SOURCE.
RADIOISOTOPES, 6, 2-5 (1957). (JAPANESE) (ENGLISH SUMMARY). DEPT. OF CHEMISTRY, FACULTY OF SCIENCE, KONAN UNIVERSITY, JAPAN.

1268 LEDDICOTTE, G.W. * MULLINS, W.T. * FERGUSON, R.L. * EMERY, J.F. * RATE, L.C. * STRAIN, J.E.
QUANTITATIVE APPLICATIONS.
ORNL-2866, 22, 24-29, FEBRUARY 18, 1960. (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1269 LIGHTOWLERS, E.C.
DETERMINATION OF SUBMICROGRAM QUANTITIES OF MANGANESE, SODIUM, AND COPPER IN NATURAL DIAMONDS BY NEUTRON ACTIVATION ANALYSIS.
ANAL. CHEM., 35, 1285-1290 (1963). (ENGLISH). WHEATSTONE PHYSICS LABORATORY, KING S COLLEGE, UNIVERSITY OF LONDON, STRAND, LONDON, W.C. 2, ENGLAND.

1270 MEZHIBORSKAYA, K.B.
RADIOACTIVATION DETERMINATION OF BERYLLIUM.
ATOMIC ENERGY, USSR, 6, 416 (1959). (ENGLISH TRANSLATION). RUSSIA.

1271 RAKOVIC, M.
A SIMPLE METHOD FOR DETERMINING GOLD IN BIOLOGICAL MATERIAL BY NEUTRON ACTIVATION ANALYSIS.
ATOMPRAXIS, 9, 177-178 (1963). (ENGLISH) (GERMAN AND FRENCH SUMMARIES). BIOPHYSICAL INSTITUTE OF THE MEDICAL FACULTY, CHARLES UNIVERSITY, PRAGUE, CZECHOSLOVAKIA.

1272 MIYAKAWA, Y. * KAMEMOTO, Y.
ACTIVATION ANALYSIS OF TRACE IMPURITIES IN TRICHLOROSILANE.
NIPPON KAGAKU ZASSHI, 83, 1029-1032 (1962). (JAPANESE) (ENGLISH SUMMARY). SHIN-ETSU CHEM. IND. CO., LTD., ISOBE PLANT, ANNAKA-SHI, GUNMA, JAPAN.

1273 KIESL, W. * SORANTIN, H. * PFEIFER, V.
ACTIVATION ANALYTICAL DETERMINATION OF IMPURITIES IN ALUMINUM, III. DETERMINATION OF IRON, COBALT, ZINC AND SCANDIUM.
MIKROCHIM. ACTA, 5-6, 996-1002 (1963). (GERMAN) (ENGLISH AND FRENCH SUMMARIES). REAKTORZENTRUM SEIBERSDORF DER OSTERREICHISCHEN STUDIENGESSELLSCHAFT FUR ATOMENERGIE GES.M.B.H. UND DEM ANALYTISCHEN INSTITUT DER UNIVERSITAT WIEN, AUSTRIA.

1274 STEVANCEVIC, D.B. * HAJDUKOVIC, G.T.
EXTRACTION OF COPPER AND ITS DETERMINATION BY RADIOACTIVATION ANALYSIS.
BILTEN INSTITUTA ZA NUKLEARNE NAUKE, BORIS KIDRIC, 15, NO. 3, 193-200 (1964). (ENGLISH). INSTITUTA ZA NUKLEARNE NAUKE, BORIS KIDRIC, BEOGRAD, VINCA.

1275 SMALES, A.A. * MAPPER, D.
SOME TRACE ELEMENT DETERMINATIONS OF POTENTIAL APPLICATION TO BIOLOGICAL MATERIALS.
L ANALYSE PAR RADIOACTIVATION ET SES APPLICATIONS AUX SCIENCES BIOLOGIQUES. PRESSES UNIVERSITAIRES DE FRANCE, 108, BLVD. SAINT-GERMAIN, PARIS, 6E. 157-170 (1964). (ENGLISH). AERE, HARWELL, ENGLAND.

1276 PLANTIN, L-O.
ASSESSMENT OF THE TRACE ELEMENTS OF BLOOD AND TISSUES BY NEUTRON RADIOACTIVATION AND GAMMA SPECTROSCOPY.
L ANALYSE PAR RADIOACTIVATION ET SES APPLICATIONS AUX SCIENCES BIOLOGIQUES. PRESSES UNIVERSITAIRES DE FRANCE, 108, BLVD. SAINT-GERMAIN, PARIS, 6E. 211-222 (1964). (ENGLISH). STOCKHOLM, SWEDEN.

1277 GIRARDI, F. * MERLINI, M.
STUDIES ON THE DISTRIBUTION OF TRACE ELEMENTS IN A MOLLUSK FROM A FRESHWATER ENVIRONMENT BY ACTIVATION ANALYSIS.
L ANALYSE PAR RADIOACTIVATION ET SES APPLICATIONS AUX SCIENCES BIOLOGIQUES. PRESSES UNIVERSITAIRES DE FRANCE, 108, BLVD. SAINT-GERMAIN, PARIS, 6E. 23-46 (1964). (ENGLISH). NUCLEAR CHEMISTRY AND BIOLOGY, ISPRA, ITALY.

1278 COMAR, D. * RIVIERE, R. * KELLERSHOHN, C.
THE DETERMINATION OF IODINE BY RADIOACTIVATION ANALYSIS AND ITS APPLICATION IN PHYSIOPATHOLOGICAL THYROID FUNCTIONS,
L ANALYSE PAR RADIOACTIVATION ET SES APPLICATIONS AUX SCIENCES BIOLOGIQUES, PRESSES UNIVERSITAIRES DE FRANCE, 108, BLVD. SAINT-GERMAIN, PARIS, 6E, 307-336 (1964), (FRENCH), CEN SACLAY, FRANCE.

1279 GENERAL DYNAMICS
ACTIVATION ANALYSIS SERVICE, SURVEY ANALYSIS (MULTI-ELEMENT SCANNING),
GENERAL DYNAMICS BULLETIN, 1P., UNDATED, (ENGLISH), GENERAL DYNAMICS, GENERAL ATOMIC DIVISION, SAN DIEGO, CALIF.

1280 PLAKSIN, I.N. * SMIRNOV, V.N. * STARCHIK, L.P.
USE OF THE (ALPHA, N) REACTION FOR THE QUANTITATIVE DETERMINATION OF THE BERYLLIUM, BORON AND FLUORINE CONTENT OF CONCENTRATION PRODUCTS,
SOVIET J. ATOMIC ENERGY, 9, 899-903 (1960), (ENGLISH TRANSLATION), RUSSIA,

1281 GIRARDI, F. * PIETRA, R.
DETERMINATION OF CALCIUM, STRONTIUM AND BARIUM IN SINGLE CRYSTALS OF ALKALI HALIDES BY NEUTRON ACTIVATION.
ANAL. CHIM. ACTA, 30, 188-199 (1964), (ENGLISH) (FRENCH AND GERMAN SUMMARIES), NUCLEAR CHEMISTRY LABORATORY, C.C.R.-EURATOM, ISPRA, ITALY.

1282 RAKOVIC, M. * TALPOVA, H.
PREPARATION OF STANDARDS FOR NEUTRON ACTIVATION ANALYSIS,
CHEM. LISTY, 57, 1183-1186 (1963), (CZECH) (RUSSIAN AND GERMAN SUMMARIES), BIOFYSIKALNI USTAV, FAKULTA VSEOBECNEHO LEKARSTVI KU, PRAHA, CZECHOSLOVAKIA.

1283 REULAND, R.J. * VOIGT, A.F.
ACTIVATION ANALYSIS FOR SODIUM IN THE SODIUM TUNGSTEN BRONZES,
ANAL. CHEM., 35, 1263-1267 (1963), (ENGLISH), INSTITUTE FOR ATOMIC RESEARCH AND DEPARTMENT OF CHEMISTRY, IOWA STATE UNIVERSITY, AMES, IOWA.

1284 TROMBKA, J.I. * METZGER, A.E.
NEUTRON METHODS FOR LUNAR AND PLANETARY SURFACE COMPOSITIONAL STUDIES.
ANALYSIS INSTRUMENTATION-1963, NEW YORK, PLENUM PRESS, 237-250, 1963, (ENGLISH), JET PROPULSION LABORATORY, PASADENA, CALIF.

1285 RYABCHIKOV, D.I. * RYABUKHIN, V.A.
ACTIVATION CHROMATOGRAPHIC ANALYSIS OF THE RARE EARTHS.
J. ANAL. CHEM. USSR, 17, 434-443 (1962), (ENGLISH TRANSLATION). V.I. VERNADSKII INSTITUTE OF GEOCHEMISTRY AND ANALYTICAL CHEMISTRY, ACADEMY OF SCIENCES, USSR, MOSCOW, RUSSIA.

1286 RYCHKOV, R.S. * GLUKHAREVA, N.A.
APPLICATION OF THE RADIOACTIVATION ANALYSIS METHOD FOR DETERMINING MICROIMPURITIES IN SEMICONDUCTOR MATERIALS.
INDUSTRIAL LABORATORY, 27, 1250-1254 (1961), (ENGLISH TRANSLATION) RUSSIA.

1287 KJELLIN, K.
DETERMINATION OF COPPER IN CEREBROSPINAL FLUID BY ACTIVATION ANALYSIS.
J. NEUROCHEM., 10, NO. 2, 89-94 (1963). (ENGLISH). DEPARTMENT OF NEUROLOGY, SERAFIMERLASARETTET, STOCKHOLM.

1288 SJOSTRAND, B.
SIMULTANEOUS DETERMINATION OF MERCURY AND ARSENIC IN BIOLOGICAL AND ORGANIC MATERIALS BY ACTIVATION ANALYSIS.
ANAL. CHEM., 36, 814-819 (1964), (ENGLISH). DIVISION OF NUCLEAR CHEMISTRY, ROYAL INSTITUTE OF TECHNOLOGY, STOCKHOLM, SWEDEN.

1289 SOLTYS, M.N. * MORRISON, G.H.
DETERMINATION OF THE STOICHIOMETRY OF SUBMILLIGRAM SAMPLES OF SODIUM-VANADIUM BRONZES BY INSTRUMENTAL NEUTRON ACTIVATION ANALYSIS.
ANAL. CHEM., 36, 293-296 (1964), (ENGLISH). DEPARTMENT OF CHEMISTRY, CORNELL UNIVERSITY, ITHACA, N.Y.

1290 UNITED STATES ATOMIC ENERGY COMMISSION
ATOMIC EVIDENCE BRINGS CONVICTION IN FEDERAL CASE INVOLVING DISTILLING AND TRANSPORTING OF MOONSHINE.
U.S. ATOMIC ENERGY COMMISSION BULLETIN G-112, 30, MAY 13, 1964. (ENGLISH), U.S. ATOMIC ENERGY COMMISSION, WASHINGTON, D.C.

1291 STARY, J. * RUZICKA, J. * ZEMAN, A.
SUBSTOICHIOMETRIC DETERMINATION OF TRACES OF MOLYBDENUM BY NEUTRON ACTIVATION ANALYSIS.
ANAL. CHIM. ACTA, 29, 103-106 (1963), (ENGLISH) (FRENCH AND GERMAN SUMMARIES), DEPARTMENT OF NUCLEAR CHEMISTRY, FACULTY OF TECHNICAL AND NUCLEAR PHYSICS, BREHOVA, PRAHA, CZECHOSLOVAKIA.

1292 STRELOW, F.W.E. * STARK, H.
DETERMINATION OF MICRO AMOUNTS OF CALCIUM IN POTASSIUM CHLORIDE BY NEUTRON ACTIVATION ANALYSIS.
ANAL. CHEM., 35, 1154-1159 (1963). (ENGLISH). INSTITUTE OF RADIOCHEMISTRY, TECHNISCHE HOCHSCHULE, MUNICH, GERMANY.

1293 TUREKIAN, K.K. * CARR, M.H.
CHROMIUM, COBALT AND STRONTIUM IN SOME BUREAU OF STANDARDS ROCK REFERENCE SAMPLES.
GEOCHIM. COSMOCHIM. ACTA, 24, 1-9 (1961). (ENGLISH). DEPARTMENT OF GEOLOGY, YALE UNIVERSITY, NEW HAVEN, CONN.

1294 VOLBORTH, A. * BANTA, H.E.
OXYGEN DETERMINATION IN ROCKS, MINERALS, AND WATER BY NEUTRON ACTIVATION.
ANAL. CHEM., 35, 2203-2206 (1963). (ENGLISH). OAK RIDGE INSTITUTE OF NUCLEAR STUDIES, OAK RIDGE, TENN.

1295 VORRES, K.S.
NEUTRON ACTIVATION EXPERIMENTS IN RADIOCHEMISTRY.
J. CHEM. EDUC., 37, 391-395 (1960). (ENGLISH). STATE UNIVERSITY OF IOWA, IOWA CITY, IOWA.

1296 BRUNER, H.D.
THE POSSIBILITY OF ACTIVATION ANALYSIS AS A TOOL IN THE BIOCHEMICAL SCIENCE.
PROC. JAPAN CONF. RADIOISOTOPES, 4TH 1014-1018 (1961). (ENGLISH). DIVISION OF BIOLOGY AND MEDICINE, AEC.

1297 WING, J.
SIMULTANEOUS DETERMINATION OF OXYGEN AND SILICON
IN METEORITES AND ROCKS BY NONDESTRUCTIVE
ACTIVATION ANALYSIS WITH FAST NEUTRONS,
ANAL. CHEM., 36, 559-564 (1964), (ENGLISH),
ARGONNE NATIONAL LABORATORY, ARGONNE, ILL,

1298 YAGI, M.
RADIOACTIVATION ANALYSIS OF VANADIUM IN
FERROVANADIUM BY RADIUM-BERYLLIUM NEUTRON SOURCE,
ISOTOPES AND RADIATION, 2, 34-45 (1959),
(JAPANESE) (ENGLISH SUMMARY), RADIOCHEMISTRY
LABORATORY, SHIZUOKA UNIVERSITY, SHIZUOKA, JAPAN,

1299 YAJIMA, S, * KAMEMOTO, Y. * SHIBA, K, * ONODA, Y,
DETERMINATION OF SMALL AMOUNTS OF IMPURITIES IN
COPPER BY ACTIVATION ANALYSIS,
NIPPON KAGAKU ZASSHI, 82, 38-41 (1961), (JAPANESE)
(ENGLISH SUMMARY), JAPAN ATOMIC ENERGY RESEARCH
INSTITUTE, NAKA-GUN, IBARAKI, JAPAN,

1300 YAJIMA, S, * KAMEMOTO, Y, * SHIBA, K, * ONODA, Y,
THE DETERMINATION OF IMPURITIES IN TELLURIUM AND
SELENIUM BY ACTIVATION ANALYSIS,
NIPPON KAGAKU ZASSHI, 82, 343-347 (1961),
(JAPANESE) (ENGLISH SUMMARY), JAPAN ATOMIC ENERGY
RESEARCH INSTITUTE, NAKA-GUN, IBARAKI, JAPAN,

1301 AITKEN, M.J.
PHYSICAL METHODS OF ARCHAEOLOGICAL RESEARCH,
RESEARCH (LONDON), 15, 145-151 (1962), (ENGLISH),
RESEARCH LABORATORY FOR ARCHAEOLOGY AND THE
HISTORY OF ART, UNIVERSITY OF OXFORD, ENGLAND,

1302 AMIEL, S. * PEISACH, M,
A CRITICAL STUDY OF ISOTOPIC ANALYSIS OF URANIUM
BY RADIOACTIVATION USING THE METHOD OF DELAYED
NEUTRON COUNTING,
ISRAEL J. CHEM., 1, 306 (1963), (ENGLISH),
DEPARTMENT OF NUCLEAR CHEMISTRY, ISRAEL ATOMIC
ENERGY COMMISSION,

1303 ANDERS, O.U.
A PRACTICAL APPROACH TO THE SELF-SHIELDING PROBLEM
IN LOW-FLUX NEUTRON ACTIVATION ANALYSIS,
ANAL. CHEM., 36, 564-568 (1964), (ENGLISH),
RADIOCHEMISTRY RESEARCH LABORATORY, THE DOW
CHEMICAL CO., MIDLAND, MICH,

1304 PERDIJON, J,
UTILIZATION OF ACTIVATION ANALYSIS IN THE STUDY OF
SILICATES,
BULL, SOC, FRANC, CERAM,, NO, 67, 45-51
(APRIL-JUNE 1965), (FRENCH), SOCIETE ANONYME DE
MACHINES ELECTROSTATIQUES, GRENOBLE, ISERE,
FRANCE,

1305 BOWEN, H,J,M,
THE ELEMENTARY COMPOSITION OF MAMMALIAN BLOOD,
AERE-R4196, 43P,, FEBRUARY 1963, (ENGLISH),
ISOTOPE RESEARCH DIVISION, AERE, WANTAGE RESEARCH
LABORATORY, BERKSHIRE, ENGLAND,

1306 AITKEN, M,J,
PHYSICS APPLIED TO ARCHAEOLOGY--PART I,
CONTEMPORARY PHYSICS, 3, 161-176 (1962),
(ENGLISH), RESEARCH LABORATORY FOR ARCHAEOLOGY
AND THE HISTORY OF ART, UNIVERSITY OF OXFORD,
ENGLAND,

1307 HAMAGUCHI, H, * SUGISITA, R, * KAWAI, M, * ONUMA, N,
DETERMINATION OF ZINC IN IRON METEORITES BY
NEUTRON ACTIVATION ANALYSIS,
BUNSEKI KAGAKU, 13, 735-738 (1964), (JAPANESE)
(ENGLISH SUMMARY), DEPARTMENT OF CHEMISTRY,
FACULTY OF SCIENCE, TOKYO KYOIKU UNIVERSITY,
BUNKYO-KU, TOKYO, JAPAN,

1308 ROJBAULT, M,
RADIOACTIVATION ANALYSIS AND ITS APPLICATION TO
BIOLOGICAL (MEDICINE, AGRONOMY, BIOCHEMISTRY)
SCIENCES,
THIRD INTERNATIONAL COLLOQUIM ON BIOLOGY SACLAY,
FRANCE, 23P,, SEPTEMBER 1963, (FRENCH), FRANCE,

1309 DUTINA, D,
DETERMINATION OF OXYGEN IN ZIRCALOY BY FAST
NEUTRON ACTIVATION,
KAPL-2000-19, I,14-I,23 (1962), (ENGLISH), KNOLLS
ATOMIC POWER LABORATORY, SCHNECTADY, N,Y,

1310 PARR, R,M, * TAYLOR, D,M,
THE DETERMINATION OF GOLD IN HUMAN LIVER BY
THERMAL NEUTRON ACTIVATION ANALYSIS,
PHYS, MED, BIOL,, 8, 43-50 (1963), (ENGLISH)
(FRENCH, GERMAN AND RUSSIAN SUMMARIES),
DEPARTMENT OF PHYSICS, INSTITUTE OF CANCER
RESEARCH, ROYAL CANCER HOSPITAL, LONDON, ENGLAND,

1311 WILLIAMS, J.D. * ANSELL, B.M. * REIFFEL, L. *
STONE, C.A. * KARK, R.M.
ELECTROLYTE LEVELS IN NORMAL AND DYSTROPHIC MUSCLE
DETERMINED BY NEUTRON ACTIVATION.
LANCET, 1, 464-466 (1957). (ENGLISH), M.B. LOND.,
M.R.C.P.

1312 HESLOP, J.A.B.
ACTIVATION ANALYSIS OF LIGHT ELEMENTS BY MEANS OF
CHARGED PARTICLES.
NP-11608. 14P., APRIL 1961. (ENGLISH), ADMIRALTY
MATERIALS LABORATORY, GENERAL CHEMISTRY DIVISION,
ENGLAND.

1313 MONNIER, D.
RESEARCH OF TRACES AND ULTRA-TRACES OF ELEMENTS.
ARCH. SCI. (GENEVA), 18, 273-281 (MAY-AUGUST
1965). (FRENCH). LABORATOIRES DE CHIMIE MINERALE
ET ANALYTIQUE DE L UNIVERSITE DE GENEVE,
SWITZERLAND.

1314 KAISER, D.G.
A STUDY OF THE SLOW NEUTRON ACTIVATION ANALYSIS OF
CERTAIN ARSENIC AND ANTIMONY CONTAINING
PHARMACEUTICALS.
DISSERTATION ABSTR., 22, 3616-3617 (1962).
(ENGLISH). PURDUE UNIVERSITY.

1315 KUSAKA, Y. * TSUJI, H. * ADACHI, T.
THE SENSITIVITY OF RADIOACTIVATION ANALYSIS BY A
LOW LEVEL NEUTRON SOURCE.
BULL. CHEM. SOC. JAPAN, 37, 597-600 (1964).
(ENGLISH). DEPARTMENT OF CHEMISTRY, FACULTY OF
SCIENCE, KONAN UNIVERSITY, HIGASHINADA-KU, KOBE,
JAPAN.

1316 LEDDICOTTE, G.W.
RADIOACTIVATION ANALYSIS--SPECIFIC FOR TRACE
ELEMENT DETERMINATIONS.
ASTM SPECIAL TECH. PUBL. 308, 21-43 (1961).
(ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK
RIDGE, TENNESSEE.

1317 SOREMARK, R.
STUDIES ON THE CONCENTRATION ON VANADIUM IN SOME
BIOLOGICAL SPECIMENS.
L ANALYSE PAR RADIOACTIVATION ET SES APPLICATIONS
AUX SCIENCES BIOLOGIQUES, PRESSES UNIVERSITAIRES
DE FRANCE, 223-238 (1964). (ENGLISH), STOCKHOLM,
SWEDEN.

1318 MARKOWITZ, S.S. * MAHONY, J.D.
ACTIVATION ANALYSIS FOR OXYGEN AND OTHER ELEMENTS
BY HELIUM-3-INDUCED NUCLEAR REACTIONS.
ANAL. CHEM., 34, 329-335 (1962), (ENGLISH).
LAWRENCE RADIATION LABORATORY AND DEPARTMENT OF
CHEMISTRY, UNIVERSITY OF CALIFORNIA, BERKELEY,
CALIF.

1319 MAY, S.
APPLICATION OF NEUTRON ACTIVATION ANALYSIS TO THE
STUDY OF IMPURITIES ON NUCLEAR GRAPHITE.
BULL. SOC. CHIM. FRANCE, 12, 2203-2208 (1961).
(FRENCH). CENTRE DE ETUDES NUCLEAIRES DE SACLAY,
FRANCE.

1320 KUROSAWA, R.
ACTIVATION ANALYSIS OF THE IMPURITIES IN METAL.
WASEDA DAIGAKU RIKOGAKU KENKYUSHO HOKOKU, 18,
15-25 (1961). (JAPANESE) (ENGLISH SUMMARY). JAPAN.

1321 MONNIER, D. * VOGEL, J. * HAERDI, H. * WENGER, P.E.
DETERMINATION OF COBALT BY POLAROGRAPHY (CATHODE
RAYS), SPECTROPHOTOMETRY, AND BY NEUTRON
ACTIVATION.
CHIMIA, 14, 128 (1960). (FRENCH). LABORATOIRE DE
CHIMIE MINERALE ET ANALYTIQUE DE L UNIVERSITE DE
GENEVE.

1322 NAKAI, T.
RECENT DEVELOPMENTS IN NEUTRON ACTIVATION ANALYSIS
IN JAPAN.
PROCEEDINGS FIFTH JAPAN CONFERENCE ON
RADIOISOTOPES, 2, 1-13 (1963), (ENGLISH). DIVISION
OF CHEMISTRY, JAPAN ATOMIC ENERGY RESEARCH
INSTITUTE, JAPAN.

1323 SCHMITT, R.A. * SMITH, R.H.
A PROGRAM OF RESEARCH FOR THE DETERMINATION OF
RARE-EARTH ABUNDANCES IN METEORITES.
GA-2782 (REV.), 40P., DECEMBER 29, 1961.
(ENGLISH). GENERAL ATOMIC DIVISION, GENERAL
DYNAMICS, SAN DIEGO, CALIF.

1324 WONG, K.M. * VOIGT, A.F.
ACTIVATION ANALYSIS FOR RARE-EARTH IMPURITIES IN
YTTRIUM.
IS-736, 51P., AUGUST 1961. (ENGLISH). AMES
LABORATORY, IOWA STATE UNIVERSITY, AMES, IOWA.

1325 KOBAYASHI, M. * NAGATSUKA, S. * HIGASHI, K.
ANALYSIS OF TRACE ELEMENTS IN ALUMINIUM BY NEUTRON ACTIVATION--DETERMINATION OF URANIUM IN ALUMINIUM.
RADIOISOTOPES (TOKYO), 14, 8-12 (1965). (ENGLISH) (JAPANESE SUMMARY). TOKYO METROPOLITAN ISOTOPE RESEARCH CENTRE, TOKYO, JAPAN.

1326 KOCH, R.C. * KEISCH, B.
NEUTRON ACTIVATION ANALYSIS STUDIES OF I-129 IN THE BIOSPHERE.
L ANALYSE PAR RADIOACTIVATION ET SES APPLICATIONS AUX SCIENCES BIOLOGIQUES, PRESSES UNIVERSITAIRES DE FRANCE, 108, BLVD. SAINT-GERMAIN, PARIS, 6E, 47-68 (1964). (ENGLISH). PITTSBURGH, PA.

1327 YULE, H.P. * LUKENS, H.R., JR. * GUINN, V.P.
UTILIZATION OF REACTOR FAST NEUTRONS FOR ACTIVATION ANALYSIS.
NUCL. INSTR. METHODS, 33, 277-282 (1965). (ENGLISH). GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORP., SAN DIEGO, CALIF.

1328 NICHOLSON, W.L.
WHAT CAN BE DETECTED.
BNWL-SA-1121. 20P., JUNE 25, 1967. (ENGLISH). BATTELLE MEMORIAL INSTITUTE, PACIFIC NORTHWEST LABORATORY, RICHLAND, WASHINGTON.

1329 BORN, G.I. * VAISS, K.F. * KOBALADZE, M.G.
ON RESOLUTION OF SOME ANALYTICAL PROBLEMS PERTAINING TO RARE EARTHS BY MEANS OF RADIOACTIVATION ANALYSIS.
TRANS. COMM. ANAL. KHIM. AKAD. NAUK SSSR, 7, NO. 10, 104-118 (1956). (RUSSIAN). RUSSIA.

1330 BORN, H.J. * WILKNISS, P.
ACTIVATION ANALYSIS DETERMINATION OF SMALL AMOUNTS OF OXYGEN WITH THE HELP OF THE NUCLEAR REACTION O-16 (T, N)F-18.
Z. ELECTROCHEM., 64, 1083 (1960). (GERMAN). INSTITUT FUR RADIOCHEMIE DER TECHNISCHEN HOCHSCHULE MUNCHEN, GERMANY.

1331 BAUMGARTNER, F.
NEUTRON ACTIVATION ANALYSIS IN STRONG NEUTRON ABSORBING SUBSTANCES.
Z. ELECTROCHEM., 64, 1077-1080 (1960). (GERMAN). INSTITUT FUR RADIOCHEMIE DER TECHNISCHEN HOCHSCHULE MUNCHEN, REAKTORSTATION GARCHING, GERMANY.

1332 BERGMAN, B. * SOREMARK, R.
GAMMA-RAY SPECTROMETRIC ANALYSIS OF SOME TRACE ELEMENTS IN THE HUMAN ARTICULAR DISC OF THE MANDIBLE.
NUKLEAR MEDIZIN, 3, 175-182 (1963), (ENGLISH) (GERMAN AND FRENCH SUMMARIES), BIOPHYSICS LABORATORY, THE DEPARTMENT OF PROSTHETICS, THE ROYAL SCHOOL OF DENTISTRY, STOCKHOLM, SWEDEN.

1333 MATSUURA, T. * SASAKI, T.
SEPARATION OF RECOILING CHROMIUM(II) SPECIES FROM NEUTRON-IRRADIATED HEXAQUOCHROMIUM(III) ION ABSORBED ON ION-EXCHANGER.
IAERJ-6608, 19P., 1966. (ENGLISH), INSTITUTE FOR ATOMIC ENERGY, RIKKYO UNIVERSITY, YOKOSUKA, JAPAN.

1334 KRAMER, H.H. * MOLINSKI, V.J. * WAHL, W.H.
RESEARCH IN ACTIVATION ANALYSIS.
NYO-10173, 24P., MARCH 29, 1963, (ENGLISH), UNION CARBIDE NUCLEAR CO., RESEARCH CENTER, TUXEDO, N.Y.

1335 HOGDAHL, O.T.
NEUTRON ABSORPTION IN PILE NEUTRON ACTIVATION ANALYSIS.
MMPP-226-1, 65P., DECEMBER 1962, (ENGLISH), UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN.

1336 JORDAN, E.D. * SCHIERLING, H.E.
AMERICIUM-BERYLLIUM AND PLUTONIUM-BERYLLIUM NEUTRON SOURCE RELATIVE EFFECTIVENESS IN PROMPT-GAMMA ACTIVATION ANALYSIS.
TRANS. AM. NUCL. SOC., 5, 286-287 (1962), (ENGLISH), CATHOLIC UNIVERSITY OF AMERICA, DIVISION OF NUCLEAR ENGINEERING, WASHINGTON, D.C.

1337 JORDAN, E.D. * SCHIERLING, H.E.
AMERICIUM-BERYLLIUM AND PLUTONIUM-BERYLLIUM NEUTRON SOURCE RELATIVE EFFECTIVENESS IN PROMPT-GAMMA ACTIVATION ANALYSIS.
CUA-NE-24, 39P., NOVEMBER 1962, (ENGLISH), DIVISION OF NUCLEAR ENGINEERING, THE CATHOLIC UNIVERSITY OF AMERICA, WASHINGTON, D.C.

1338 KOBAYASHI, M. * SAWAI, T. * MAEDA, S. * KUROSU, H.
STUDY ON THE ZONE REFINING OF PURE ALUMINUM BY THE ACTIVATION METHOD.
RADIOISOTOPES, 11, 163-172 (1962), (JAPANESE) (ENGLISH SUMMARY), TOKYO METROPOLITAN ISOTOPE CENTRE, JAPAN.

1339 KOHN, A.
FRENCH RESEARCH IN METALLURGY ACCOMPLISHED WITH RADIOELEMENTS,
ACTA ELECTRONICA, 3, 253-276 (1959). (FRENCH).
INSTITUT DE RECHERCHES DE LA SIDERURGIE, FRANCE.

1340 KRAMER, H.H. * MOLINSKI, V.J. * TILBURY, R.S. * WAHL, W.H. * STIER, P.M.
RESEARCH IN ACTIVATION ANALYSIS,
NYO-10,174, 91P., SEPTEMBER 30, 1963, (ENGLISH).
UNION CARBIDE CORP., NUCLEAR DIVISION RESEARCH CENTER, TUXEDO, NEW YORK.

1341 MONNIER, D.
ACTIVATION BY NEUTRON ANALYSIS OF ISOTOPES HAVING SHORT HALF LIVES.
CHIMIA, 15, 512-515 (1961), (FRENCH), ECOLE DE CHIMIE, UNIVERSITE DE GENEVE.

1342 NAKAYAMA, F. * BLOMSTRAND, R.
NEUTRON ACTIVATION PAPER CHROMATOGRAPHIC ANALYSIS OF PHOSPHOLIPIDS IN HUMAN LIVER AND BILE.
ACTA CHEM. SCAND., 15, 1595-1603 (1961),
(ENGLISH). SWEDISH MEDICAL RESEARCH COUNCIL, UNIT FOR BIOCHEMICAL RESEARCH FOR ARTHEROSCLEROSIS, UNIVERSITY OF LUND, LUND, SWEDEN.

1343 NIESE, S. * LEONHARDT, W.
ACTIVATION ANALYSIS -- APPLICATION POSSIBILITIES IN INDUSTRY AND RESEARCH.
CHEM. TECH., 13, 509-514 (1961). (GERMAN).
DRESDEN, GERMANY.

1344 NIESE, S. * LEONHARDT, W. * MORZEK, P. * HEROLD, C. * ROMMEL, H.
POSSIBLE APPLICATIONS OF ACTIVATION ANALYSIS.
ISOTOPENTECHNIK, 1, 185-186 (1960/1961).
(GERMAN). ZENTRALINSTITUT FUR KERNPHYSIK, BEREICH RADIOCHEMIE, ROSSENDORF, GERMANY.

1345 RASSOUL, A. * LANGHOFF, J. * HERR, W.
INDUSTRIAL NEUTRON NUCLEAR REACTIONS FOR THE DETECTION OF GEOCHEMICAL SIGNIFICANT TRACE ELEMENTS IN MINERALS.
Z. ELEKTROCHEM., 64, 1036 (1960), (GERMAN).
MAX-PLANCK INSTITUT FUR CHEMIE, MAINZ, GERMANY.

1346 RUZICKA, J. * STARY, J.
SUBSTOICHIOMETRIC DETERMINATION OF TRACES OF METALS BY ACTIVATION ANALYSIS OR BY ISOTOPE DILUTION.
NUCLEAR ENERGY INFORMATION CENTER REPORT NO. UJV 992/63, 32P., (1963), (ENGLISH), FACULTY OF TECHNICAL AND NUCLEAR PHYSICS, DEPARTMENT OF NUCLEAR CHEMISTRY, PRAHA, BREHOVA, CZECHOSLOVAKIA.

1347 SEYFANG, A.P. * TODD, R.
THE DETERMINATION OF IMPURITIES IN BERYLLIUM BY ACTIVATION ANALYSIS USING REMOTE REACTOR FACILITIES.
UKAEA PG REPORT 172(S), 26P, (1961), (ENGLISH), UKAEA, ENGLAND.

1348 VILLAR, G.E.
TRACE ANALYSIS BY RADIOACTIVATION.
BOL. FAC. ING. Y. AGRIMENSURA MONTEVIDEO, 6, 163-185 (1957). (SPANISH). INSTITUTO DE TECNOLOGIA Y QUIMICA DE LA FACULTAD DE INGENIERIA Y AGRIMENSURA DE MONTEVIDEO.

1349 KAMEMOTO, Y. * YAMAGISHI, S.
FURTHER STUDIES OF THE NEUTRON SHIELDING OF METALS IN THERMAL NEUTRON ACTIVATION.
BULL. CHEM. SOC. JAPAN, 37, 664-668 (1964). (ENGLISH). DIVISION OF NUCLEAR ENGINEERING, JAPAN ATOMIC ENERGY RESEARCH INSTITUTE, TOKAI, IBARAKI, JAPAN.

1350 BATE, L.C. * LEDDICOTTE, G.W.
COMPLEMENT SUBTRACTION METHOD OF GAMMA-RAY SPECTROMETRY FOR THE QUANTITATIVE ANALYSIS OF COMPLEX MIXTURES OF RADIONUCLIDES.
ORNL-2866, 33, FEBRUARY 18, 1960, (ENGLISH), OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1351 BROOKSBANK, W.A. * LEDDICOTTE, G.W. * HANDLEY, T.H. * LEE, N.D. * KEENAN, C.W.
ACTIVATION ANALYSES.
ORNL-867, 30-40 (1957). (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1352 CORNUET, R.
RECENT APPLICATIONS OF THE RADIOELEMENTS IN FRANCE.
AUTOMAZIONE E STRUMENTAZIONE, 9, 97-102 (1962). (FRENCH). CEA-CENG, SECTION D APPLICATION DES RADIOELEMENTS, FRANCE.

1353 DIBBS, H.P.
SENSITIVITIES FOR ACTIVATION ANALYSIS WITH THERMAL
OR FAST NEUTRONS.
NP-12437, 8P., NOVEMBER 20, 1962, (ENGLISH).
PHYSICS AND RADIOTRACER SUBDIVISION, MINERAL
SCIENCES DIVISION, MINES BRANCH, DEPARTMENT OF
MINES AND TECHNICAL SURVEYS, OTTAWA, CANADA.

1354 GEBAUHR, W.
THE APPLICATION OF RADIOCHEMICAL METHODS IN THE
FIELD OF SEMICONDUCTOR RESEARCH.
KERNTECHNIK, 4, 323-326 (1962). (GERMAN).
SIEMENS-SCHUCKERTWERKE AG, FORSCHUNGSLABORATORIUM
ERLANGEN, GERMANY.

1355 GUINN, V.P. * JOHNSON, R.A.
SOME SPECIAL FEATURES OF INSTRUMENTAL NEUTRON
ACTIVATION ANALYSIS.
TRANS. AM. NUCL. SOC., 3, 414 (1960). (ENGLISH).
SHELL DEVELOPMENT CO., EMERYVILLE, CALIF.

1356 SCHMITT, R.A. * SMITH, R.H. * LASCH, J.E.
MOSEN, A.W. * OLEHY, D.A. * VASILEVSKIS, J.
ABUNDANCES OF THE FOURTEEN RARE EARTH ELEMENTS,
SCANDIUM, AND YTTRIUM IN METEORITIC AND
TERRESTRIAL MATTER.
GEOCHIM. COSMOCHIM. ACTA, 27, 577-622 (1963).
(ENGLISH). GENERAL DYNAMICS CORP., GENERAL ATOMIC
DIV., SAN DIEGO, CALIF.

1357 HUDGENS, J.E.
RADIOACTIVATION ANALYSIS IN REACTOR TECHNOLOGY.
WAPD-T-1543, 10P., SEPTEMBER 1962, (ENGLISH).
BETTIS ATOMIC POWER LABORATORY, PITTSBURGH, PA.

1358 KUROCHKIN, S.S.
THE USE OF MULTICHANNEL ANALYZERS FOR ACTIVATION
ANALYSIS.
J. ANAL. CHEM. USSR, 18, 1028-1032 (1963)
(ENGLISH TRANSLATION). RUSSIA

1359 KUYKENDALL, W.E. * WAINERDI, R.E.
THE ANALYSIS OF A DECAYING COMPLEX GAMMA SPECTRUM
UTILIZING THE IBM 704 DIGITAL COMPUTER.
TRANS. AM. NUCL. SOC., 3, 95 (1960). (ENGLISH).
TEXAS A AND M, COLLEGE STATION, TEXAS.

1360 LAVERLOCHERE, J.
ACTIVATION ANALYSIS APPLIED TO NUCLEAR MATERIALS,
CHIM. ANAL., 46, NO. 1, 23-30 (1964). (FRENCH).
DEPARTMENT DES RADIOELEMENTS, SECTION D
APPLICATION DES RADIOELEMENTS, CENTRE D ETUDES
NUCLEAIRES DE GRENOBLE,

1361 LEDDICOTTE, G.W. * MULLINS, W.T. * EMERY, J.F. *
BATE, L.C. * STRAIN, J.E. * DYER, F.F.
QUANTITATIVE APPLICATIONS.
ORNL-3060, 36-41, FEBRUARY 15, 1961, (ENGLISH),
OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN,

1362 CORYELL, C.D.
EARTH SCIENCES.
NYO-10063, 33-34, MAY 1, 1963, (ENGLISH),
MASSACHUSETTS INSTITUTE OF TECHNOLOGY,
MASSACHUSETTS,

1363 OPRAVIL, O. * ZITNANSKY, B. * SEBESTIAN, I.
ISOLATION OF CARBIDE PHASE FROM
TITANIUM-TUNGSTEN-ALLOYED CHROMIUM-NICKEL STEEL
AND ITS ANALYSIS VIA ACTIVATION METHOD.
CHEM. LISTY, 57, 1294-1300 (1963). (POLISH).
VYSKUMNY USTAV ZVARACSK, BRATISLAVA,

1364 NUCLEONICS
NUCLEONICS HANDBOOK OF REACTOR RESEARCH AND
TECHNOLOGY.
NEW YORK, NUCLEONICS, 255P., 1965. (ENGLISH),
NEW YORK.

1365 RALEIGH, H.D.
ACTIVATION ANALYSIS, A LITERATURE SEARCH.
TID-3575, 27P., AUGUST 1963, (ENGLISH), DIVISION
OF TECHNICAL INFORMATION, OAK RIDGE, TENN,

1366 REIFFEL, L.
NEUTRON ACTIVATION ANALYSIS.
THE FRONTIER, 16, 4-7, 18-19 (1953), (ENGLISH),
NUCLEAR PHYSICS SECTION, PHYSICS RESEARCH
DEPARTMENT, ARMOUR RESEARCH FOUNDATION, CHICAGO,
ILLINOIS.

1367 REISER, W, * SCHNEIDER, H,
NEUTRON ACTIVATION ANALYSIS AND ITS APPLICABILITY
IN STEEL ANALYSIS,
ARCHIV, EISENHUTTENWESEN, 32, 31-38 (1961),
(GERMAN). MITTEILUNG AUS DEM PHYSIKALISCHEN
INSTITUT DER UNIVERSITAT GIEBEN,

1368 ROBSON, A,
RADIOACTIVE TRACER TECHNIQUES AND THEIR
APPLICATIONS IN INDUSTRY,
J, SOC. DYERS COLOURISTS, 68, 7-11 (1952),
(ENGLISH). WOOL INDUSTRIES RESEARCH ASSOCIATION,
TORRIDON, HEADINGLEY, LEEDS, ENGLAND,

1369 MAY, S,
UTILIZATION OF GAMMA SPECTROGRAPHY IN TRACE
ANALYSIS BY ACTIVATION,
BULL. SOC, CHIM, FRANCE, 6, 1089-1095 (1961),
(FRENCH). SERVICE DE PHYSICO-CHIMIE APPLIQUEE,
CENTRE D ETUDES NUCLEAIRES DE SACLAY,
GIF-SUR-YVETTE, FRANCE.

1370 STEHLIK, G, * ALTMANN, H,
USE OF NEUTRON ACTIVATION ANALYSIS TO TRACE
ELEMENT INVESTIGATION ON NUCLEIC ACIDS.
MONATSH, CHEM,, 94, 1163-1177 (1963), (GERMAN),
INSTITUT FUR BIOLOGIE UND LANDWIRTSCHAFT DES
REAKTORZENTRUMS SEIBERSDORF,

1371 UNITED KINGDOM ATOMIC ENERGY AUTHORITY
A MANUAL FOR THE PREPARATION OF SOLUTIONS FOR
VOLUMETRIC, ABSORPTIOMETRIC AND RADIOACTIVATION
ANALYSIS, BUFFER SOLUTIONS, GAS TESTING REAGENTS
AND TEST PAPERS,
UKAEA PG REPORT 367 (S), 36P,, 1962, (ENGLISH),
UKAEA PRODUCTION GROUP, RISLEY, WARRINGTON,
LANCASHIRE, ENGLAND,

1372 TREW, J.R,
ACTIVATION ANALYSIS, A LITERATURE SURVEY OF
UNCLASSIFIED REPORTS,
STL-B-37, 21P,, 15 SEPTEMBER 1960, (ENGLISH),
SPACE TECHNOLOGY LABORATORIES, INC,, LOS ANGELES,
CALIF,

1373 OTWINOWSKI, W. * ALLINA, Z.
DETERMINATION OF TRACE AMOUNTS OF COPPER, ZINC, ARSENIC AND IRON IN SELENIUM OF HIGH PURITY BY NEUTRON ACTIVATION ANALYSIS.
NUKLEONIKA, 8, 833-842 (1963), (POLISH) (RUSSIAN AND ENGLISH SUMMARIES). INSTYTUT CHEMII OGOLNEJ, WARSZAWA, POLAND.

1374 OKADA, M. * KAMEMOTO, Y.
RAPID DETERMINATION OF YTTRIUM IN AQUEOUS SOLUTIONS CONTAINING DYSPROSIUM AND IN ORE SAMPLES BY NEUTRON ACTIVATION AND GAMMA-RAY SPECTROMETRY.
CONF-285-6 (7TH CONFERENCE ON ANALYTICAL CHEMISTRY IN NUCLEAR TECHNOLOGY, GATLINBURG, TENN.), 10P., OCT. 1963. (ENGLISH). GOVT. CHEMICAL INDUSTRIAL RESEARCH INSTITUTE, TOKYO, JAPAN.

1375 SCHWEIKERT, E. * ALBERT, P.
NEW EXPERIMENTS IN RADIOACTIVATION ANALYSIS WITH GAMMA QUANTA OF 18 TO 27 MEV.
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. I, 323-339 (1965). (FRENCH) (ENGLISH, RUSSIAN AND SPANISH SUMMARIES). CENTRE D ETUDES DE CHIMIE METALLORGIQUE, VITRY-SUR-SEINE, FRANCE.

1376 RYBACH, L. * NISSEN, H.-U.
NEUTRON ACTIVATION OF MN AND NA TRACES IN MARBLES WORKED BY THE ANCIENT GREEKS.
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. I, 105-117, (1965), (ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES). INSTITUT FUR KRISTALLOGRAPHIE UND PETROGRAPHIE, EIDENOSSISCHE TECHNISCHE HOCHSCHULE, ZURICH, SWITZERLAND.

1377 BUTLER, J.P.
THE DETERMINATION OF DEUTERIUM IN THE SURFACE LAYERS OF D2O-OXIDIZED ZIRCALOY-2 BY THE D(D,N) HE-3 REACTION.
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. I. 391-403 (1965). (ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES). RESEARCH CHEMISTRY BRANCH, ATOMIC ENERGY OF CANADA LTD., CHALK RIVER, ONTARIO, CANADA.

1378 CUYPERS, M, * LE HERICY, J, * CUYPERS, J, * ALBERT, P,
DETERMINATION OF SULFUR IN COPPER BY NEUTRON ACTIVATION,
COMPT. REND., 261, 5494-5496 (DECEMBER 20, 1965), (FRENCH), CENTRE D ETUDE DE CHIMIE METALLURGIQUE DU CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, VITRY, VAL-DE-MARNE, FRANCE,

1379 DE HEVESY, G.
THE HISTORICAL BACKGROUND OF SOME APPLICATIONS OF ISOTOPIC TRACERS IN ANALYTICAL CHEMISTRY,
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. I. 3-11 (1965), (ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES), UNIVERSITY OF STOCKHOLM, SWEDEN,

1380 NEIDER, R, * PETER, H,
TOOL ACTIVATION FOR THE DETERMINATION OF THE CUTABILITY OF THIN SHEETS,
ATOMWIRTSCHAFT, 9, 504-508 (1964), (GERMAN), BUNDESANSTALT FUR MATERIALPRUFUNG, BERLIN,

1381 MERZ, E, * SCHRAGE, E,
ACTIVATION ANALYSIS DETERMINATION OF THE ZR-HF RATIOS IN STONE METEORITES AND MINERALS,
GEOCHIM, COSMOCHIM, ACTA, 28, 1873-1877 (1964), (GERMAN), INSTITUT FUR CHEMISCHE TECHNOLOGIE DER KERNFORSCHUNGSANLAGE JULICH, GERMANY,

1382 SHIRAISHI, H,
DETERMINATION OF TRACE ELEMENTS BY NEUTRON ACTIVATION ANALYSIS,
FUJI JIHO, 35, 281-286 (1962), (JAPANESE) (ENGLISH SUMMARY), SECOND CHEMICAL RESEARCH SECT,, RESEARCH DEPARTMENT, JAPAN,

1383 DEGRAZIA, A,R, * HASKIN, L,
ON THE GOLD CONTENTS OF ROCKS,
GEOCHIM, COSMOCHIM, ACTA, 28, 559-564 (1964), (ENGLISH), DEPARTMENT OF CHEMISTRY, UNIVERSITY OF WISCONSIN, MADISON, WISCONSIN,

1384 BETHARD, W.F. * SCHMITT, R.A. * OLEHY, D.A.
THE QUANTITATION OF MAGNESIUM, MANGANESE, ZINC, AND COPPER IN BLOOD BY NEUTRON ACTIVATION ANALYSIS.
RADIOAKTIVE ISOTOPE IN KLINIK UND FORSCHUNG, V, 222-236 (1963). (ENGLISH) (FRENCH AND GERMAN SUMMARIES). GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORP., SAN DIEGO, CALIF.

1385 HAMAGUCHI, H. * KURODA, R. * ONUMA, N. * KAWABUCHI, K. * MITSUBAYASHI, T. * HOSOHARA, K.
THE GEOCHEMISTRY OF TIN.
GEOCHIM. COSMOCHIM. ACTA, 28, 1039-1053 (1964). (ENGLISH). DEPARTMENT OF CHEMISTRY, TOKYO KYOIKU UNIVERSITY, TOKYO, OTSUKA, JAPAN.

1386 FISHER, D.E.
THE ALUMINUM CONTENT OF CHONDRITIC METEORITES AS DETERMINED BY ACTIVATION ANALYSIS.
GEOCHIM. COSMOCHIM. ACTA, 28, 743-749 (1964). (ENGLISH). NUCLEAR REACTOR LABORATORY, CORNELL UNIVERSITY, ITHACA, N.Y.

1388 HOSTE, J.
ACTIVATION ANALYSIS, PRINCIPLES AND APPLICATIONS.
ASSOC. BELGE DEVELOP. PACIFIQUE ENERGIE AT. BULL. INFORM., 8, 54-57 (1963). (FRENCH). L UNIVERSITE DE GAND, BELGIUM.

1389 MALMON, A.G.
FISSION FRAGMENT TRACKS AS URANIUM TRACERS IN BIOLOGICAL ELECTRON MICROSCOPY.
BIOPHYS. J., 4, 1-10 (1964). (ENGLISH). NATIONAL INSTITUTES OF HEALTH, BETHESDA, MARYLAND.

1390 WIESNER, L.
CONTRIBUTIONS TO PROGRESS IN NUCLEAR, RADIO AND RADIATION CHEMISTRY (REPORT ON THE GENERAL MEETING OF GDCH AT HEIDELBERG).
ATOMWIRTSCHAFT, 9, 113-115 (1964). (GERMAN). KARLSRUHE, GERMANY.

1391 SAKANOUE, M. * OOSAWA, M. * SAKAI, T. * ISHIDA, K.
RADIOCHEMICAL STUDIES ON THE SEPARATION AND DETERMINATION OF PROTACTINIUM.
NIPPON GENSHIRYOKU GAKKAISHI, 6, 503-510 (1964). (JAPANESE) (ENGLISH SUMMARY). FACULTY OF SCIENCE, KANAZAWA UNIV., JAPAN.

1392 RAKOVIC, M. * TALPOVA, H.
NEUTRON ACTIVATION METHOD FOR THE DETERMINATION OF
SODIUM IN SOME BIOLOGICAL TISSUE SAMPLES.
JADERNA ENERGIE, 10, 81-85 (1964), (CZECH)
(ENGLISH SUMMARY). CHARLES UNIVERSITY, PRAGUE.

1393 BARANOV, V.I. * KHRISTIANOV, V.K. * KARASEV, B.V. *
PANOV, G.I.
MEASURING BORON BY THE NEUTRON METHOD IN OUTCROPS
AND MINE WORKINGS.
IZV. AKAD. NAUK SSSR, SER. GEOFIZ., 3, 349-353
(1964). (RUSSIAN). RUSSIA.

1394 METCALF, A.
A NEUTRON ACTIVATION TECHNIQUE FOR OXYGEN
DETERMINATION.
STEEL TIMES, 188, 90-92 (1964). (ENGLISH). BISRA
STEELMAKING DIVISION, ENGLAND.

1395 HORI, R.
STUDIES ON THE PERMEABILITY OF SEA URCHIN PLASMA
MEMBRANE BY NEUTRON ACTIVATION ANALYSIS.
RADIOISOTOPES (TOKYO), 12, 115-119 (1963).
(JAPANESE). TOYAMA UNIVERSITY, JAPAN.

1396 MONNIER, D.
DETERMINATION BY THERMAL NEUTRON ACTIVATION OF
SHORT-LIVED ISOTOPES.
IND.AT., 7, NOS. 9-10, 83-91 (1963). (FRENCH)
(ENGLISH SUMMARY). CHIMIE ANALYTIIQUE A LA FACULTE
DES SCIENCES, DE L UNIVERSITE DE GENEVE.

1397 HAERDI, W.
NEUTRON ACTIVATION OF ELEMENTS AND THE
NON-DESTRUCTIVE GAMMA SPECTROMETRIC DETERMINATION
OF SHORT-LIVED RADIOISOTOPES.
IND. AT., 7, NOS. 9-10, 93-106 (1963). (FRENCH).
LABORATOIRES DE CHIMIE ANALYTIQUE, DE L UNIVERSITE
DE GENEVE.

1398 SHIKATA, E.
ON THE INTERFERENCE OF THE THRESHOLD REACTION ON
THE ACTIVATION ANALYSIS BY (N, GAMMA) REACTION.
NIPPON GENSHIRYOKU GAKKAISHI, 6, 579-582 (1964).
(JAPANESE) (ENGLISH SUMMARY). JAPAN ATOMIC ENERGY
RESEARCH INSTITUTE, JAPAN.

1399 FUJII, I. * MIYOSHI, K. * MUTO, H. * YUTAKA, M.
INDUSTRIAL ACTIVATION ANALYSIS UNIT WITH 14-MEV NEUTRON GENERATOR AND ITS APPLICATIONS. HIGHLY ACCURATE NEW MONITORING SYSTEM SHORTENS TO ONE MINUTE THE TIME OF DETERMINING AMOUNT OF OXYGEN IN MATERIALS.
TOSHIBA REV., INTERN. ED., 15, 32-39 (1963). (ENGLISH). CENTRAL RESEARCH LABORATORY, TOKYO SHIBAURA ELECTRIC CO., LTD., JAPAN.

1400 BRUNE, D. * SJOBERG, H.E.
DETERMINATION OF MAGNESIUM IN NEEDLE BIOPSY SAMPLES OF MUSCLE TISSUE BY MEANS OF NEUTRON ACTIVATION ANALYSIS.
ANAL. CHIM. ACTA, 33, NO. 5, 570-572 (1965). (ENGLISH). AB ATOMENERGI, STUDSVIK, SWEDEN.

1401 WAKITA, H. * KIGOSHI, K.
ACTIVATION ANALYSIS OF THORIUM IN SHELLS.
NIPPON KAGAKU ZASSHI, 85, 476-480 (1964). (JAPANESE). GAKUSHUIN UNIVERSITY, TOKYO, JAPAN.

1402 OKA, Y. * KATO, T. * SASAKI, M.
DETERMINATION OF GOLD IN SEA WATER BY NEUTRON ACTIVATION ANALYSIS.
NIPPON KAGAKU ZASSHI, 85, 643-647 (1964). (JAPANESE) (ENGLISH SUMMARY). TOHOKU UNIVERSITY, SENDAI, JAPAN.

1403 OKADA, M. * KAMEMOTO, Y.
RAPID DETERMINATION OF YTTRIUM BY NEUTRON ACTIVATION AND GAMMA-RAY SPECTROMETRY.
NIPPON KAGAKU ZASSHI, 85, 641-642 (1964). (JAPANESE). GOVERNMENT CHEMICAL INDUSTRIAL RESEARCH INSTITUTE, JAPAN.

1404 NASCUTIU, T.
THE ANALYSIS OF INORGANIC SUBSTANCES BY RADIOACTIVATION ON CHROMATOGRAPHIC PAPER. II. THORIUM AND RARE EARTHS.
REV. ROUMAINE CHIM., 9, 283-287 (1964). (ENGLISH). INSTITUTE FOR ATOMIC PHYSICS, BUCHAREST.

1405 ISOTOPES
ISOTOPE TECHNOLOGY DEVELOPMENT.
ISOTOPES AND RADIATION TECHNOLOGY, 1, NO. 1, 53-77 (1963). (ENGLISH). USA.

1406 GELLI, D. * MALVANO, R. * SACCHETTI, N.
RESISTOMETRIC AND NEUTRON ACTIVATION ANALYSIS OF
ALUMINUM DURING ZONE REFINING.
ALLUMINIO, 32, 481-487 (1963). (ITALIAN).
ISTITUTO SPERIMENTALE DEI METALLI LEGGERI,
DIVISIONE RICERCHE, NOVARA, ITALY.

1407 WOOD, D.E.
DEVELOPMENT OF FAST NEUTRON ACTIVATION ANALYSIS
FOR LIQUID LOOP SYSTEMS.
TID-24029, 31P., JULY 1967. (ENGLISH). KAMAN
NUCLEAR, COLORADO SPRINGS, COLORADO.

1408 NOZAKI, T. * YAZAWA, K.
THE RADIOACTIVATION ANALYSIS OF GRAPHITE FOR
NITROGEN BY THE N-14(P, ALPHA)C-11 REACTION.
BULL. CHEM. SOC. JAPAN 37, 1891-1892 (1964).
(ENGLISH). INSTITUTE OF PHYSICAL AND CHEMICAL
RESEARCH, BUNKYO-KU, TOKYO (T.N.). JAPAN.

1409 KAMEMOTO, Y. * YAMAGISHI, S.
DETERMINATION OF MAGNESIUM AND MERCURY BY
RE-ACTIVATION ANALYSIS.
NIPPON KAGAKU ZASSHI, 86, 74-77 (1965).
(JAPANESE). JAPAN ATOMIC ENERGY RESEARCH
INSTITUTE, TOKYO, JAPAN.

1410 FOURNET, L. * ALBERT, P.
SYSTEMATIC ANALYSIS OF ZIRCONIUM AFTER NEUTRON
IRRADIATION.
COMPT. REND., 254, 1076-1078 (1962). (FRENCH).
LABORATOIRE DE VITRY DU C.N.R.S., FRANCE.

1411 PARR, R.M. * TAYLOR, D.M.
THE CONCENTRATIONS OF COBALT, COPPER, IRON AND
ZINC IN SOME NORMAL HUMAN TISSUES AS DETERMINED BY
NEUTRON-ACTIVATION ANALYSIS.
BIOCHEM. J., 9, 424-431 (1964). (ENGLISH).
DEPARTMENT OF PHYSICS, INSTITUTE OF CANCER
RESEARCH. ROYAL CANCER HOSPITAL, LONDON, S.W. 3,
ENGLAND.

1412 WESTER, P.O. * BRUNE, D. * SAMSAHL, K.
RADIOCHEMICAL RECOVERY STUDIES OF A SEPARATION
SCHEME FOR 23 ELEMENTS IN BIOLOGICAL MATERIAL.
INTERN. J. APPL. RAD. AND ISOTOPES, 15, 59-67
(1964). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN
SUMMARIES). DEPARTMENT OF MEDICINE, KAROLINSKA
INSTITUTET, SERAFIMERLASARETTET, STOCKHOLM,
SWEDEN.

1413 OKADA, M. * KAMEMOTO, Y.
RAPID DETERMINATION OF YTTRIUM IN AQUEOUS SOLUTIONS CONTAINING DYSPROSIUM AND IN ORE SAMPLES BY NEUTRON ACTIVATION.
INTERN. J. APPL. RAD. AND ISOTOPES, 15, 381-382 (1964). (ENGLISH). GOVERNMENT CHEMICAL INDUSTRIAL RESEARCH INSTITUTE, TOKYO, HON-MACHI, SHIBUYA, TOKYO, JAPAN.

1414 MARTIN, T.C. * MATHUR, S.C. * MORGAN, I.L.
THE APPLICATION OF NUCLEAR TECHNIQUES IN COAL ANALYSIS.
INTERN. J. APPL. RAD. AND ISOTOPES, 15, 331-338 (1964). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN SUMMARIES). TEXAS NUCLEAR CORP., AUSTIN, TEXAS.

1415 FABBRI, E. * LAZZARINI, E. * SANGUIST, V.
ACTIVATION ANALYSIS OF DEUTERIUM BY C-12 (D,N)N-13 REACTION IN A NUCLEAR REACTOR.
INTERN. J. APPL. RAD. AND ISOTOPES, 15, 437-439 (1964). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN SUMMARIES). CENTRO STUDI NUCLEARI ENRICO FERMI DEL POLITECHNICO, MILANO, ITALY.

1416 SOROIU, M. * CEREI, M. * ONCESCU, M. * DANIS, A. * MANTESCU, C.
RADIOGENIC ARGON DETERMINATION BY NEUTRON ACTIVATION ANALYSIS.
GEOCHIM. COSMOCHIM. ACTA, 29, NO. 5, 551-561 (1965). (ENGLISH). INSTITUTE FOR ATOMIC PHYSICS, BURCHAREST, RUMANIA.

1417 DUGAIN, F.
GAMMA SPECTROMETRY, ITS APPLICATION TO THE DETERMINATION OF VERY SLIGHT TRACES.
CHIM. ANAL., 46, 179-187 (1964). (FRENCH). LABORATOIRE DE RECHERCHES D ELECTROCHIMIE ET DES METAUX NOUVEAUX DE LA COMPAGNIE PECHINEY, GRENOBLE, FRANCE.

1418 KAMEMOTO, Y.
ON THE SELF-SHIELDING EFFECT IN THERMAL-NEUTRON ACTIVATION OF METALS.
INTERN. J. APPL. RAD. AND ISOTOPES, 15, 447-448 (1964). (ENGLISH). JAPAN ATOMIC ENERGY RESEARCH INSTITUTE, TOKAI-MURA, NAKA-GUN, IBARAKI, JAPAN)

1419 THORESEN, P.
ACTIVATION ANALYSIS OF SOILS AND ROCKS IN NORWAY.
ACTA CHEM. SCAND., 18, 1054-1058 (1964).
(ENGLISH). NORWEGIAN DEFENCE RESEARCH
ESTABLISHMENT, KELLER, NORWAY.

1420 KAMEMOTO, Y. * YAMAGISHI, S.
THE RE-ACTIVATION ANALYSIS OF ALUMINUM--THE
ACTIVATION ANALYSIS OF ALUMINUM WITH SPECIAL
REFERENCE TO YIELD DETERMINATION.
BULL. CHEM. SOC. JAPAN, 36, 1411-1414 (1963).
(ENGLISH). DIVISION OF CHEMISTRY, JAPAN ATOMIC
ENERGY RESEARCH INSTITUTE, TOKAI-MURA, IBARAKI,
TOKYO, JAPAN.

1421 KJELLIN, K.G.
DETERMINATION OF SUB-MICROGRAM QUANTITIES OF
COPPER IN BIOLOGICAL MATERIAL BY ACTIVATION
ANALYSIS.
INTERN. J. APPL. RAD. AND ISOTOPES, 15, 461-468
(1964). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN
SUMMARIES). KAROLINSKA SJUKHUSET, STOCKHOLM,
SWEDEN.

1422 FORSLEV, A.W.
NONDESTRUCTIVE NEUTRON-ACTIVATION ANALYSIS OF
HAIR.
J. FORENSIC SCI., 11, 217-232 (APRIL 1966).
(ENGLISH). CHICAGO POLICE LABORATORY, CHICAGO,
ILLINOIS.

1423 JORDAN, E.D. * SCHIERLING, H.E.
AMERICIUM-BERYLLIUM AND PLUTONIUM-BERYLLIUM
NEUTRON SOURCE RELATIVE EFFECTIVENESS IN
PROMPT-GAMMA NEUTRON-ACTIVATION ANALYSIS.
INTERN. J. APPL. RAD. AND ISOTOPES, 15, 427-436
(1964). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN
SUMMARIES). DIVISION OF NUCLEAR ENGINEERING,
CATHOLIC UNIVERSTY OF AMERICA, WASHINGTON, D.C.

1424 LUKENS, H.R. * LASCH, J.E.
USE OF THE CERENKOV COUNTER IN THE DETERMINATION
OF OXYGEN BY NEUTRON ACTIVATION ANALYSIS.
INTERN. J. APPL. RAD. AND ISOTOPES, 15, 759-763
(1964). (ENGLISH). GENERAL ATOMIC DIVISION OF
GENERAL DYNAMICS CORP., SAN DIEGO, CALIF.

1425 GIJBELS, R. * HOSTE, J.
THE SIMULTANEOUS DETERMINATION OF RUTHENIUM AND IRIDIUM IN OSMIUM SPONGE BY NEUTRON ACTIVATION ANALYSIS.
ANAL. CHEM. ACTA,32, 17-31 (1965). (ENGLISH) (FRENCH AND GERMAN SUMMARIES), LABORATORY FOR ANALYTICAL CHEMISTRY, GHENT UNIVERSITY, GHENT, BELGIUM,

1426 MONNIER, D. * HAERDI, W. * ROUECHE, A.
DETERMINATION OF COBALT IN 18/8 STEEL BASED ON COBALT-60(M) FORMATION BY THERMAL NEUTRON ACTIVATION.
ANAL. CHIM. ACTA, 31, 413-418 (1964), (FRENCH) (ENGLISH AND GERMAN SUMMARIES), LABORATORES DE CHIMIE MINERALE ET ANALYTIQUE, UNIVERSITE DE GENEVE, GENEVE.

1427 ATHAVALE, V.T. * PAREKH, P.P.
ISOTOPIC ANALYSIS OF LEAD BY NEUTRON ACTIVATION METHOD. ITS APPLICATION TO THE DETERMINATION OF THORIUM-LEAD AGES OF MINERALS.
PROCEEDINGS OF THE NUCLEAR RADIATION CHEMISTRY SYMPOSIUM, 1966. BOMBAY DEPARTMENT OF ATOMIC ENERGY, 200-205, 1966. (ENGLISH). ANALYTICAL DIVISION, ATOMIC ENERGY ESTABLISHMENT TROMBAY, BOMBAY, INDIA.

1428 HILTON, D.A. * REED, D.
THE DETERMINATION OF URANIUM-235 BY NEUTRON ACTIVATION AND RING-OVEN SEPARATION OF MOLYBDENUM-99 - TECHNETIUM-99.
ANALYST, 89, 599-602 (1964), (ENGLISH), CENTRAL ELECTRICITY GENERATING BOARD, BERKELEY NUCLEAR LABORATORIES, BERKELEY, GLOUCESTERSHIRE, ENGLAND.

1429 SMALES, A.A. * MAPPER, D. * SEYFANG, A.P.
THE DETERMINATION OF URANIUM IN FAIRLY PURE BERYLLIUM METAL BY NEUTRON ACTIVATION AND GAMMA SPECTROMETRY.
ANAL. CHIM. ACTA, 25, 587-597 (1961), (ENGLISH) (FRENCH AND GERMAN SUMMARIES), ANALYTICAL CHEMISTRY DIVISION, AERE, HARWELL, ENGLAND.

1430 KAIPOV, R.L. * ZIV, D.M. * LEIPUNSKAYA, D.I. * SAVOSIN, S.I. * FEDOROV, V.V. * FRADKIN, G.M. * SHIMELEVICH, Y.S. * BASIN, Y.N. * KUKHARENKO, N.I. * SHESTAKOV, B.I.
THE USE OF AC - BE NEUTRON SOURCES IN INDUSTRIAL GEOPHYSICS.
AT. ENERG. USSR, 16, 323-325 (1964). (ENGLISH TRANSLATION). RUSSIA.

1431 MORGAN, J.W.
THE SIMULTANEOUS DETERMINATION OF RHENIUM AND OSMIUM IN ROCKS BY NEUTRON ACTIVATION ANALYSIS.
ANAL. CHIM. ACTA, 32, 8-16 (1965). (ENGLISH) (FRENCH AND GERMAN SUMMARIES). DEPARTMENT OF GEOPHYSICS. INSTITUTE OF ADVANCED STUDIES, AUSTRALIAN NATIONAL UNIVERSITY, CANBERRA, A.C.T., AUSTRALIA.

1432 FILBY, R.H.
THE DETERMINATION OF ZINC IN ROCKS BY NEUTRON ACTIVATION ANALYSIS.
ANAL. CHIM. ACTA, 31, 557-562 (1964). (ENGLISH) (FRENCH AND GERMAN SUMMARIES). MINERALOGICAL-GEOLOGICAL MUSEUM, UNIVERSITY OF OSLO, OSLO, NORWAY.

1433 FILBY, R.H.
THE DETERMINATION OF BROMINE IN ROCKS BY NEUTRON ACTIVATION ANALYSIS.
ANAL. CHIM. ACTA, 31, 434-440 (1964). (ENGLISH) (FRENCH AND GERMAN SUMMARIES). MINERALOGICAL-GEOLOGICAL MUSEUM, UNIVERSITY OF OSLO, OSLO, NORWAY.

1434 MC MILLAN, J.W.
THE ANALYSIS OF STAINLESS-STEEL NEUTRON-ACTIVATION PRODUCTS BY COMBINED GROUP SEPARATION AND GAMMA-RAY SPECTROMETRY.
ANALYST, 89, 594-598 (1964). (ENGLISH). UKAEA RESEARCH GROUP, WOOLWICH OUTSTATION, C.37, ROYAL ARSENAL, WOOLWICH, LONDON, S.E. 18, ENGLAND.

1435 MEZHIBORSKAYA, K.B.
A RADIOACTIVATION METHOD FOR THE DETERMINATION OF BERYLLIUM IN MINERAL RAW MATERIALS AND IN HYDROMETALLURGICAL PRODUCTS.
J. ANAL. CHEM. USSR, 15, NO. 3, 323-328 (1960). (ENGLISH TRANSLATION). RUSSIA.

1436 BOWEN, H.J.M.
THE DETERMINATION OF CHROMIUM IN BIOLOGICAL MATERIAL BY RADIOACTIVATION.
ANALYST, 89, 658-661 (1964), (ENGLISH). WANTAGE RESEARCH LABORATORY, AERE, WANTAGE, BERKS, ENGLAND.

1437 IDDINGS, F.A.
A STUDY OF FLUX MONITORING FOR INSTRUMENTAL NEUTRON ACTIVATION ANALYSIS.
ANAL. CHIM. ACTA, 31, 206-212 (1964), (ENGLISH) (FRENCH AND GERMAN SUMMARIES), ESSO RESEARCH LABORATORIES, HUMBLE OIL AND REFINING CO., BATON ROUGE REFINERY, BATON ROUGE, LA.

1438 OAK RIDGE NATIONAL LABORATORY
ACTIVATION ANALYSIS OF INSULATING MATERIALS.
ORNL-3369, 47-48 (1962), (ENGLISH), OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1439 HOLTZMAN, R.B.
ACTIVATION ANALYSIS OF SOME HEAVY NUCLIDES.
ANL-6474, 42-50 (1962), (ENGLISH). ARGONNE NATIONAL LABORATORY, ILLINOIS.

1440 LOPOVOK, T.A.
NEUTRON MULTIPLIER FOR ACTIVATION ANALYSIS OF GEOLOGICAL SAMPLES.
AEC-TR-6390, 365-371 (1960), (ENGLISH TRANSLATION). INSTITUTE OF GEOLOGY AND MINERAL DEVELOPMENT, ACADEMY OF SCIENCES, USSR, RUSSIA.

1441 LAVRUKHINA, A.K.
METHODS OF MODERN RADIOCHEMISTRY AND REGIONS OF ITS APPLICATION.
AEC-TR-6390, 441-450 (1960), (ENGLISH TRANSLATION). INSTITUTE OF GEOCHEMISTRY AND ANALYTICAL CHEMISTRY IMENI V.I. VERNADSKII, ACADEMY OF SCIENCES, USSR, RUSSIA.

1442 OAK RIDGE NATIONAL LABORATORY
ANALYTICAL CHEMISTRY DIVISION ANNUAL PROGRESS REPORT FOR PERIOD ENDING NOVEMBER 15, 1964.
ORNL-3750, 144P., JANUARY 1965, (ENGLISH), OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1443 SRAPENYANTS, R.A. * NEFEDOV, B.B.
USE OF THE METHOD OF NEUTRON ACTIVATION ANALYSIS FOR INVESTIGATING SCALE DEPOSITS AND DETERMINING THE WEAR OF TRACTOR ENGINE PARTS.
AEC-TR-6390, 397-402 (1960), (ENGLISH TRANSLATION). ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF AGRICULTURAL MECHANIZATION, RUSSIA.

1444 BERTON, M.
ACTIVATION ANALYSIS WITH PARTICLES ACCELERATORS.
CEA-BIB.-50, 125P., DECEMBER 1964. (FRENCH). FRANCE.

1445 LEIPUNSKAYA, D.I. * REZVANOV, R.A. * DRYNKIN, V.I.
APPLICATION OF NEUTRON ACTIVATION ANALYSIS TO GEOLOGY.
AEC-TR-6390, 355-364 (1960), (ENGLISH TRANSLATION). INSTITUTE OF GEOLOGY AND DEVELOPMENT OF MINERALS, ACADEMY OF SCIENCES USSR, RUSSIA.

1446 SAIRENJI. E. * URATA, Y. * SUZUKI. T. * SASAKI, E. * TORIUMI. H. * OTSKI. T.
NEUTRON ACTIVATION ANALYSIS OF ARSENIC IN THE HARD TISSUES OF THE ARSENIC DEVITALIZED TEETH.
NIPPON UNIV. J. RADIATION MED. BIOL., 1, 13-16 (1963). (JAPANESE) (ENGLISH SUMMARY). RADIOISOTOPE RESEARCH LABORATORY, NIHON UNIVERSITY. SCHOOL OF DENTISTRY, JAPAN.

1447 BROOKE, C. * PEETERS, E.
GAMMA SPECTROMETRY AND ACTIVATION ANALYSIS. PRINCIPLES AND METHODS. PART I.
REV. M.B.L.E., 7, 189-213 (1964). (FRENCH). UNIVERSITE LIBRE, BRUSSELS.

1449 REDDY, G.R. * SANKAR DAS, M.
DETERMINATION OF RUBIDIUM AND CAESIUM BY NEUTRON ACTIVATION.
PROCEEDINGS OF THE NUCLEAR AND RADIATION CHEMISTRY SYMPOSIUM, 1966. BOMBAY DEPARTMENT OF ATOMIC ENERGY. 194-199, 1966. (ENGLISH). ANALYTICAL DIVISION. ATOMIC ENERGY ESTABLISHMENT TROMBAY, BOMBAY. INDIA.

1450 MILLER, F.J.
OXYGEN DETERMINATION BY NUCLEAR METHODS.
ISOTOP. RADIAT. TECHNOL., 4, 237-243 (SPRING 1967). (ENGLISH). USA.

1451 GUINN, V.P.
ADVANCES IN NEUTRON ACTIVATION ANALYSIS,
THIRD UNITED NATIONS INTERNATIONAL CONFERENCE ON
PEACEFUL USES OF ATOMIC ENERBY, A/CONF.28/P/197,
13P., 1964. (ENGLISH) GENERAL ATOMIC DIVISION,
GENERAL DYNAMICS CORPORATION, SAN DIEGO, CALIF.

1452 HIGHTOWER, D. * SWARTZ, H,M.
MEASUREMENT OF NEUTRON PENETRATION BY TISSUE
ACTIVATION,
BIOLOGICAL EFFECTS OF NEUTRON AND PROTON
IRRADIATIONS. VOL. I, VIENNA, IAEA, 141-155
(1964). (ENGLISH) (FRENCH, RUSSIAN AND SPANISH
SUMMARIES). DEPARTMENT OF BIOPHYSICS, WALTER REED
ARMY INSTITUTE OF RESEARCH, WASHINGTON, D.C.

1453 BURNS, F.C.
DETERMINING THE OXYGEN CONTENT OF STEEL BY NEUTRON
ACTIVATION TECHNIQUES,
J. METALS, 16, 948 (1964). (ENGLISH). U.S. ARMY
MATERIALS RESEARCH AGENCY, WATERTOWN, MASS.

1454 SCHILTZ, J.C. * COQUEMA, C.
NEUTRON ACTIVATION IN GEOCHEMISTRY DETERMINATION
METHOD FOR TANTALUM, THORIUM, COBALT, AND
SCANDIUM,
BULL. SOC. FRANC. MINERAL. CRIST., 87, 156-162
(1964), (FRENCH), SERVICE DE MINERALOGIE, CENTRE D
ETUDES NUCLEAIRES DE FONTENAY-AUX-ROSES, FRANCE.

1455 CHINAGLIA, B. * CIUFFOLOTTI, L. * MALVANO, R.
DETERMINATION OF SULPHUR IN ORGANIC MATERIALS BY
NEUTRON ACTIVATION TECHNIQUES,
ENERGIA NUCLEARE, 10, 389-394 (1963), (ENGLISH)
(ITALIAN SUMMARY), SORIN, CENTRO RICERCHE
NUCLEARI, SALUGGIA (VERCELLI), ITALY.

1456 CIUFFOLOTTI, L. * FASOLO, G.B. * MALVANO, R.
NEUTRON ACTIVATION ANALYSIS OF POLYPHENYLS.
ENERGIA NUCLEARE, 10, 381-388 (1963), (ENGLISH)
ITALIAN SUMMARY), SORIN, CENTRO RICERCHE NUCLEARI,
SALUGGIA (VERCELLI), ITALY.

1457 CORLESS, J.T. * WINCHESTER, J.W.
VARIATIONS IN THE RATIO CA-48/(TOTAL CA) IN THE
NATURAL ENVIRONMENT,
PURE AND APPL. CHEM., 8, NO. 3-4, 317-323 (1964).
(ENGLISH). MIT, CAMBRIDGE, MASS.

1458 MORRIS, D.F.C. * HILL, N. * SMITH, B.A.
THE DETERMINATION OF TRACES OF PALLADIUM AND
PLATINUM IN SULPHIDE MINERALS BY
NEUTRON-ACTIVATION ANALYSIS.
MIKROCHIM. ICHNOANAL. ACTA, NO. 5-6, 962-969
(1963). (ENGLISH). DEPARTMENT OF CHEMISTRY, BRUNEL
COLLEGE, LONDON, W.3, ENGLAND.

1460 CASSIDY, W.A.
NONDESTRUCTIVE NEUTRON-ACTIVATION ANALYSIS OF
SMALL PARTICLES.
ANN. N.Y. ACAD. SCI., 105, 318-338 (1964).
(ENGLISH). LAMONT GEOLOGICAL OBSERVATORY OF
COLUMBIA UNIVERSITY, PALISADES, N.Y.

1461 LENIHAN, J.M.A.
TRACE ELEMENTS IN BIOMEDICAL RESEARCH.
NUCLEONICS. 23, NO. 1, 50-52 (1965). (ENGLISH).
WESTERN REGIONAL HOSPITAL BOARD, GLASGOW,
SCOTALND.

1462 STEIM, J.M. * BENSON, A.A.
DERIVATIVE ACTIVATION CHROMATOGRAPHY.
ANAL. BIOCHEM., 9, 21-34 (1964). (ENGLISH).
DEPARTMENT OF BIOCHEMISTRY, THE PENNSYLVANIA STATE
UNIVERSITY, UNIVERSITY PARK, PA.

1463 RAPPAPORT, R.
THYROTROP IN STIMULATION TEST FRACTIONATION AND
DETERMINATION OF HORMONAL PROTEIN BOUND IODINE IN
PLASMA BY ACTIVATION ANALYSIS.
ACTA ENDOCRINOL., SUPPL., NO. 89, 21 (1964).
(ENGLISH). FRANCE.

1464 JIMENEZ, A.T. * RODRIGUEZ, G.D.
ACTIVATION ANALYSIS WITH THE JEN-1 REACTOR.
ENERGIA NUCL. (MADRID), 7, 60-79 (1963).
(SPANISH). COLABORADOR DE PRIMERA DE LA SECCION
DE RADIOQUIMICA, DIRECCION DE QUIMICA E ISOTOPOS,
MADRID, SPAIN.

1465 BRODA, E.
ACTIVATION ANALYSIS.
QUOTE RADIOACTIVE ISOTOPES IN BIOCHEMISTRY QUOTE.
ELSEVIER, AMSTERDAM, 115-122 (1960). (ENGLISH).
GERMANY.

1466 BROOKE, C. * PEETERS, E.
GAMMA SPECTROMETRY AND ANALYSIS BY ACTIVATION
APPLICATION TO DETERMINATION OF IMPURITIES IN
NATURAL FLUORITES, PART 2.
REV. M.B.L.E., 7, 266-289 (1964). (FRENCH).
DIVISION PHYSIQUE NUCLEAIRE, L UNIVERSITE LIBRE DE
BRUXELLES.

1467 PIERCE, C.M.
NEUTRON FLUX MEASUREMENTS AN ANNOTATED
BIBLIOGRAPHY.
AD-600707, 59P., SEPTEMBER 1963, (ENGLISH).
LOCKHEED MISSILES AND SPACE CO., SUNNYVALE, CALIF.

1468 KOBAYASHI, M. * SAWAI, T.
NEUTRON ACTIVATION ANALYSIS OF ALLOYED URANIUM
COMPONENT IN CARBON STEEL.
RADIOISOTOPES (TOKYO), 13, 20-25 (1964),
(ENGLISH). TOKYO METROPOLITAN ISOTOPE CENTER,
JAPAN.

1469 KOBAYASHI, M. * NAGATSUKA, S.
DETERMINATION OF TRACE ELEMENTS IN ALUMINUM BY
NEUTRON ACTIVATION.
RADIOISOTOPES (TOKYO), 13, 26-31 (1964),
(ENGLISH). TOKYO METROPOLITAN ISOTOPE CENTER,
JAPAN.

1470 MANNEY, T.R. * LAROCHE, G. * PADDEN, R.E. *
TOBIAS, C.A.
MEASUREMENT OF SERUM ORGANICALLY BOUND IODINE BY
NEUTRON ACTIVATION.
UCRL-9897, 27-30 (1961), (ENGLISH), UNIVERSITY OF
CALIFORNIA RADIATION LABORATORY, BERKELEY, CALIF.

1471 MIGNONSIN, E.P. * ALBERT, P.
ANALYSIS OF PURE ZIRCONIUM BY NEUTRON RADIO
ACTIVATION.
BULL. SOC. CHIM. FRANCE, 2, 553-561 (1965).
(FRENCH). CENTRE DE ETUDES, VITRY, FRANCE.

1472 ARMSTRONG, A.A., JR. * RUTHERFORD, H.A.
APPLICATIONS OF NUCLEAR RADIATION AND
RADIOISOTOPES TO TEXTILE MATERIALS AND PROCESSES.
QUARTERLY REPORT, MARCH 1, 1961 - MAY 31, 1961.
NCSC-2477-3, 12P., JUNE 30, 1961, (ENGLISH).
DEPARTMENT OF TEXTILE CHEMISTRY, SCHOOL OF
TEXTILES, NORTH CAROLINA STATE COLLEGE OF
AGRICULTURE AND ENGINEERING, RALEIGH, NORTH
CAROLINA.

1473 KOHN, A.
VARIOUS APPLICATIONS OF SHORT-LIVED RADIOISOTOPES IN THE STUDY OF METALS.
AEC-TR-5824, 24P., (1962). (ENGLISH TRANSLATION), IRON METALLURGY RESEARCH INSTITUTE, SAINT GERMAIN, FRANCE.

1474 HASKIN, L. * GEHL, M.A.
THE RARE-EARTH DISTRIBUTION IN SEDIMENTS.
J. GEOPHYS. RES., 67, 2537-2541 (1962). (ENGLISH), DEPARTMENT OF CHEMISTRY, UNIVERSITY OF WISCONSIN, MADISON, WISCONSIN.

1475 BAKER, C.A.
GAMMA-ACTIVATION ANALYSIS.
ANALYST (LONDON), 92, NO. 1099, 601-610 (1967), (ENGLISH). ANALYTICAL SCIENCES DIVISION, AERE, HARWELL, BERKS., ENGLAND.

1476 LEDDICOTTE, G.W.
NUCLEONICS.
ANAL. CHEM., 34, 143R-171R (1962). (ENGLISH), OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1477 CUYPERS, M.
SYSTEMATIC ANALYSIS OF HIGH PURITY COPPER, FOLLOWING ITS IRRADIATION BY THERMAL NEUTRONS.
ANN. CHIM. (PARIS), 9, 509-540 (1964). (FRENCH), LABORATOIRE DE RADIOCHIMIE ANALYTIQUE DU CENTRE D ETUDES DE CHIMIE METALLURGIQUE, VITRY (SEINE), FRANCE.

1478 HOLLAND, W.W. * GLEIT, C.E. * BENSON, P.A. * WRIGLEY, R.C. * LEVENTHAL, L.
ANALYSIS OF HIGH ALTITUDE FILTER AND IMPACTOR MEDIA FOR EVALUATION OF PROPOSED SNAP REENTRY EXPERIMENT USING NONRADIOACTIVE TRACER, FINAL REPORT.
TECHNICAL DOCUMENTARY REPORT NO. WL TDR-64-68, 143P., SEPTEMBER 1964, (ENGLISH), RESEARCH AND TECHNOLOGY DIVISION, AIR FORCE WEAPONS LABORATORY, AIR FORCE SYSTEMS COMMAND, KIRTLAND AIR FORCE BASE, NEW MEXICO.

1479 STEIM, J.M.
NEUTRON ACTIVATION CHROMATOGRAPHY.
THESIS. 111P., SEPTEMBER 1962, (ENGLISH), THE GRADUATE SCHOOL, DEPARTMENT OF AGRICULTURAL AND BIOLOGICAL CHEMISTRY, THE PENNSYLVANIA STATE UNIVERSITY.

1480 FILBY, R.H.
NEUTRON ACTIVATION DETERMINATIONS OF BROMINE IN SOME GEOCHEMICAL STANDARDS.
GEOCHIM. COSMOCHIM. ACTA. 29, 49-51 (1965). (ENGLISH). MINERALOGICAL-GEOLOGICAL MUSEUM, UNIVERSITY OF OSLO, NORWAY.

1481 OKA, Y. * KATO, T.
ACTIVATION ANALYSIS OF ZIRCONIUM IN HAFNIUM BY MEANS OF PHOTONUCLEAR REACTION.
NIPPON KAGAKU ZASSHI, 86, 835-839 (AUGUST 1965). (JAPANESE) (ENGLISH SUMMARY). DEPARTMENT OF CHEMISTRY, FACULTY OF SCIENCE, TOHOKU UNIVERSITY, SENDAI-SHI, JAPAN.

1482 GUINN, V.P.
ACTIVATION ANALYSIS.
IND. RES., 6, NO. 9, 30-36 (1964). (ENGLISH). GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORP., SAN DIEGO, CALIF.

1483 CONDIT, R.H. * HOLT, J.B.
A TECHNIQUE FOR STUDYING OXYGEN DIFFUSION AND LOCATING OXIDE INCLUSION IN METALS BY USING THE PROTON RADIOACTIVATION OF OXYGEN-18.
J. ELECTROCHEM. SOC., 111, 1192-1194 (1964). (ENGLISH). LAWRENCE RADIATION LABORATORY, UNIVERSITY OF CALIFORNIA, LIVERMORE, CALIFORNIA.

1484 RODERBOURG, J. * MASSAUX, F. * KIRCHMANN, R.
APPLICATION OF RADIOACTIVATION ANALYSIS TO DETERMINATION OF MOLYBDENUM IN LEGUMES.
BULL. INST. AGRON. STA. RECH. GEMBLOUX, 31, 537-549 (1963). (FRENCH). C.A.M.I.R.A. (IRSIA) GEMBLOUX.

1485 DOGE, H.G.
REMARKS ON THE CALCULATION OF ACTIVATION ANALYSES.
ISOTOPEN TECH., 2, 204-205 (JULY 1962). (GERMAN). INSTITUT FUR ANGEWANDTE PHYSIK DER REINSTSTOFFE DRESDEN.

1486 COBB, J.C.
DETERMINATION OF LEAD IN METEORITES BY ALPHA ACTIVATION ANALYSIS.
J. GEOPHYS. RES., 69, 1895-1901 (1964). (ENGLISH). DEPARTMENT OF CHEMISTRY, BROOKHAVEN NATIONAL LABORATORY, UPTON, N.Y.

1487 GROSEL, J, * SORANTIN, H,
INTERFERENCE-FREE DETERMINATION OF IMPURITIES IN PURE NIOBIUM BY NEUTRON ACTIVATION AND GAMMA SPECTROMETRY,
SGAE-CH-11/1964, 20P., 1964, (GERMAN), OSTERREICHISCHE STUDIENGESELLSCHAFT FUR ATOMENERGIE, GES. M.B.H. REAKTORZENTRUM SEIBERSDORF,

1488 GUINN, V.P.
WORLD-WIDE DEVELOPMENTS IN ISOTOPES, RADIATION, AND NUCLEAR EXPLOSIVES.
NUCL. NEWS, 7, 47-49 (1964), (ENGLISH), GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORP., SAN DIEGO, CALIF.

1489 GRAY, A.L.
THE ANALOX -- AN INDUSTRIAL APPLICATION OF ACTIVATION ANALYSIS,
NUCL. ENG., 9, 205-207 (1964), (ENGLISH), PLESSEY NUCLEONICS LTD., NORTHAMPTON, ENGLAND,

1490 VERNIN, E,
PARTICLE ACCELERATOR APPLICATIONS.
NUCL. ENG., 9, 201-203 (1964), (ENGLISH), ACCELERATOR DIVISION, SAMES, FRANCE,

1491 KAMEMOTO, Y,
RAPID NON-DESTRUCTIVE ANALYSIS OF OXYGEN BY NEUTRON ACTIVATION,
NATURE, 203, 513-514 (1964), (ENGLISH), JAPAN ATOMIC ENERGY RESEARCH INSTITUTE, TOKAI-MURA, IBARAKI, JAPAN,

1492 SORANTIN, H, * PATEK, P,
DETERMINATION OF TRACE ELEMENTS IN POLYETHYLENE BY ACTIVATION ANALYSIS,
SGAE-CH-9/1964, 33P., 1964, (GERMAN), INSTITUT FUR CHEMIE, REAKTORZENTRUM SEIBERSDORF,

1493 LAVRUKHINA, A.K, * KALICHEVA, I.S, * KOLESOV, G.M.
NEUTRON ACTIVATION DETERMINATION OF SCANDIUM IN METEORITES WITH APPLICATION OF SUBSTOICHIOMETRIC SEPARATION AND GAMMA-SPECTROMETRY,
GEOKHIMIYA, NO. 6, 651-654 (1967), (RUSSIAN) (ENGLISH SUMMARY), V.I. VERNADSKY INSTITUTE OF GEOCHEMISTRY AND ANALYTICAL CHEMISTRY, USSR, ACADEMY OF SCIENCES, MOSCOW, RUSSIA,

1494 LOVERING, J.F. * MORGAN, J.W.
URANIUM AND THORIUM ABUNDANCES IN STONY
METEORITES. I. THE CHONDRITIC METEORITES.
J. GEOPHYS. RES., 69, 1979-1988 (1964). (ENGLISH).
DEPARTMENT OF GEOPHYSICS INSTITUTE FOR ADVANCED
STUDIES, AUSTRALIAN NATIONAL UNIVERSITY, CANBERRA,
A.C.T. AUSTRALIA.

1495 LEHMAN, R.L. * ZELLER, J.
REACTOR ACTIVATION OF CERTAIN SANDS AND CLAYS.
J. GEOPHYS. RES., 69, 4247-4255 (1964). (ENGLISH).
LAWRENCE RADIATION LABORATORY, UNIVERSITY OF
CALIFORNIA, BERKELEY, CALIF.

1496 TASAKI, A. * SAITOH, M. * KINBARA, A.
THICKNESS MEASUREMENTS OF THIN GOLD FILMS BY
GAMMA-RAY SPECTROSCOPY.
JAPAN J. APPL. PHYS., 3, 234-236 (1964).
(ENGLISH). DEPARTMENT OF PHYSICS, UNIVERSITY OF
TOKYO, BUNKYO-KU, TOKYO, JAPAN.

1497 KAMEMOTO, Y. * YAMAGISHI, S.
RE-ACTIVATION ANALYSIS OF MERCURY.
NATURE, 202, 487-488 (1964). (ENGLISH). JAPAN
ATOMIC ENERGY RESEARCH INSTITUTE, DIVISION OF
NUCLEAR ENGINEERING, TOKAI-MURA, MAKA-GUN,
IBARAKI, JAPAN.

1498 MORGAN, J.W. * LOVERING, J.F.
URANIUM AND THORIUM ABUNDANCES IN STONY
METEORITES. 2. THE ACHONDRITIC METEORITES.
J. GEOPHYS. RES., 69, 1989-1994 (1964). (ENGLISH).
DEPARTMENT OF GEOPHYSICS, INSTITUTE FOR ADVANCED
STUDIES, AUSTRALIAN NATIONAL UNIVERSITY, CANBERRA,
A.C.T., AUSTRALIA.

1499 RICCI, E. * DYER, F.F.
SECOND-ORDER INTERFERENCE IN ACTIVATION ANALYSIS.
NUCLEONICS, 22, NO. 6, 45-50 (1964). (ENGLISH).
OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1500 ADAMS, F. * HOSTE, J.
ACTIVATION ANALYSIS OF ANTIMONY BY SUM-COINCIDENCE
SPECTROMETRY.
NUCLEONICS, 22, NO. 3, 55-57 (1964). (ENGLISH).
LABORATORY FOR ANALYTICAL CHEMISTRY, GHENT
UNIVERSITY, BELGIUM.

1501 ABE, S.
PHOTOACTIVATION OF VANADIUM AND ITS APPLICATION
FOR THE DETERMINATION OF TITANIUM IN VANADIUM,
NIPPON KAGAKU ZASSHI, 87, 714-717 (JULY 1966),
(JAPANESE) (ENGLISH SUMMARY), DEPARTMENT OF
CHEMICAL ENGINEERING, YAMAGATA UNIVERSITY,
MOTONAKABAKURO-CHO, YONEZAWA-SHI, JAPAN,

1502 MORGAN, J.W. * LOVERING, J.F.
RHENIUM AND OSMIUM ABUNDANCES IN STONY METEORITES,
SCIENCE, 144, 835-836 (1964), (ENGLISH),
DEPARTMENT OF GEOPHYSICS, AUSTRALIAN NATIONAL
UNIVERSITY, CANBERRA, AUSTRALIA,

1503 BLONDEL, A. * COLAS, R. * CORNUET, R. * HAMELIN, R.
* KOHN, A. * LAMM, A. * LECLERC, P. * LEVEQUE, P.
* QUESSON, M. * RABOT, R. * ROCHAS, P. * THIERY, J.
INDUSTRIAL APPLICATIONS OF RADIOELEMENTS,
PARIS, EDITIONS EYROLLES AND EDITIONS
GAUTHEIR-VILLARS, 352P., 1962. (FRENCH),
FRANCE,

1504 FLEGENHEIMER, J.
ACTIVATION ANALYSIS OF THE DUTCH 50 C. STAMP OF
1867,
RADIOCHIM. ACTA, 3, 61-62 (1964), (ENGLISH)
(GERMAN AND FRENCH SUMMARIES), COMISION NACIONAL
DE ENERGIA ATOMIC, BUENOS-AIRES, ARGENTINA,

1505 RYBACH, L.
NEUTRON ACTIVATION ANALYSIS OF TRACES OF SODIUM IN
QUARTZ,
RADIOCHIM. ACTA, 2, 138-140 (1964), (ENGLISH)
(GERMAN AND FRENCH SUMMARIES), INSTITUT FUR
KRISTALLOGRAPHIE UND PETROGRAPHIE DER ETH, ZURICH,

1506 PROUZA, Z. * RAKOVIC, M.
RESONANCE NEUTRONS IN THE ACTIVATION ANALYSIS OF
GOLD,
CHEM. ZVESTI, 22, NO. 2, 87-92 (1968), (ENGLISH)
(CZECH AND RUSSIAN SUMMARIES), DEPARTMENT OF
MEDICAL PHYSICS AND NUCLEAR MEDICINE, CHARLES
UNIVERSITY, PRAGUE, CZECHOSLOVAKIA,

1507 OKADA, M.
SHORT-LIVED NUCLIDES FORMED BY NEUTRON ACTIVATION,
NUCLEONICS, 22, NO. 8, 110-111 (1964), (ENGLISH),
GOVERNMENT CHEMICAL INDUSTRIAL RESEARCH INSTITUTE,
HON-MACHI, SHIBUYA-KU, TOKYO, JAPAN,

1508 GUINN, V.P.
NUCLEAR HIGHLIGHTS IN SPECTROMETRY AND ACTIVATION ANALYSIS.
NUCLEONICS, 22, NO. 3, 70-72, 74-76 (1964).
(ENGLISH). GENERAL ATOMIC, SAN DIEGO, CALIF.

1509 YOSHIDA, H. * GOSHI, Y.
ACTIVATION ANALYSIS OF THE SMALL AMOUNT OF OXYGEN IN MINERAL BY FAST NEUTRON.
KOGYO KAGAKU ZASSHI, 67, 1832-1835 (1964).
(JAPANESE). JAPAN.

1510 TAKEUCHI, T., * ISHII, D.
NEUTRON-ACTIVATION ANALYSIS OF IMPURITIES IN GELATIN AND ALUMINA.
KOGYO KAGAKU ZASSHI, 67, 1835-1838 (1964).
(JAPANESE). JAPAN.

1511 OKADA, M.
EMPIRICAL FORMULA FOR SELF-SHIELDING EFFECT IN NEUTRON ACTIVATION.
TOKYO KOGYO SHIKENSHO HOKOKU, 58, NO. 9-10. 469 (1963). (JAPANESE) (ENGLISH SUMMARY). GOVERNMENT CHEMICAL INDUSTRIAL RESEARCH INSTITUTE, TOKYO, JAPAN.

1512 SOREMARK, R. * LUNDBERG, M.
ANALYSIS OF THE CONCENTRATIONS OF CR, AG, FE, CO, PT, AND PB IN NORMAL HUMAN DENTINE.
ODONTOL. REVY, 15, 285-289 (1964). (ENGLISH). HARVARD SCHOOL OF DENTAL MEDICINE, BOSTON, MASS., AND THE FACULTY OF ODONTOLOGY, UNIVERSITY OF UMEA, SWEDEN.

1513 SHIGEMATSU, T. * GODA, S.
ACTIVATION ANALYSIS OF MANGANESE WITH PU * 1-C NEUTRON SOURCE.
RADIOISOTOPES (TOKYO), 13, 13-19 (1964).
(JAPANESE) (ENGLISH SUMMARY), KYOTO UNIVERSITY, JAPAN.

1514 ISHIBASHI, N. * KAMATA, S.
ACTIVATION ANALYSIS OF FLUORINE AND BROMINE WITH 14-MEV NEUTRONS.
RADIOISOTOPES (TOKYO), 13, 7-12 (1964). (JAPANESE) (ENGLISH SUMMARY). FACULTY OF ENGINEERING, KYUSHU UNIVERSITY, FUKUOKA, JAPAN.

1515 YAMADA, Y.
THE DETERMINATION OF MICRONUTRIENT ELEMENTS IN
SOIL BY RADIOACTIVATION ANALYSIS.
RADIOISOTOPES (TOKYO), 13, 32-38 (1964),
(JAPANESE) (ENGLISH SUMMARY), FACULTY OF
AGRICULTURE, KYUSHU UNIVERSITY, JAPAN.

1516 VAN EESTEREN, J.
ACTIVATION ANALYSIS.
CHEMIE AND TECHNIEK, 17, 61-65 (1962). (DUTCH),
REACTOR CENTRUM NEDERLAND.

1517 OLIVERI, E.
INTERMITTENT NEUTRON ACTIVATION BY QUOTE SQUARE
WAVES QUOTE AND APPLICATION TO MEASUREMENT OF
SHORT HALF LIVES IN THE INDUCED ACTIVITY.
ATTI ACCAD. SCI, LETTERE ARTI PALERMO, PT. I, 22,
275-285 (1961-1962), (ITALIAN) (ENGLISH AND FRENCH
SUMMARIES). UNIVERSITA, PALERMO, ITALY.

1518 RICO, J.C. * VIDAL, J.P. * CAPITANT, M. * TROLY, G.
DETERMINATION OF NIOBIUM AND TANTALUM IN ROCKS AND
MINERALS BY NEUTRON ACTIVATION.
CHIM. ANAL. (PARIS), 47, NO, 2, 77-80 (1965),
(FRENCH), SOCIETE ATOME INDUSTRIEL, FRANCE.

1519 SIMKOVA, M. * KUKULA, A.F. * SLUNECKO, J.
DETERMINATION OF IODINE IN ORGANIC POLYMERS BY
ACTIVATION ANALYSIS.
CHEM. ZVESTI, 19, 115-119 (1964). (CCECH)
(RUSSIAN AND GERMAN SUMMARIES). USTAV JADERNEHO
VYZKUMU CESKOSLOVENSKE ADADEMIE VED, REZ U PRAHY,
CZECHOSLOVAKIA.

1520 ROHNSCH, W.
DETERMINATION OF PHOSPHORUS, SULFUR, AND CHLORINE
IN SELENIUM BY ACTIVATION ANALYSIS.
MIKROCHIM. ICHNOANAL. ACTA, 1, 10-16 (1965),
(GERMAN) (ENGLISH AND FRENCH SUMMARIES). INSTITUT
FUR ANGEWANDTE RADIOAKTIVITAT, LEIPZIG, DER
DEUTSCHEN AKADEMIE DER WISSENSCHAFTEN ZU BERLIN,
GERMANY.

1521 RAMDOHR, H.
USE OF ACTIVATION ANALYSIS FOR COPPER-ORE SORTING.
ATOMSTRAHLUNG IN MEDIZIN UND TECHNIK. MUNICH,
VERLAG KARL THIEMIG KG, 331-336 (1964). (GERMAN).
INSTITUT KARLSRUHE DER
ISOTOPEN-STUDIENGESELLSCHAFT E.V., GERMANY.

1522 MERZ, E.
ACTIVATION ANALYSIS WITH FAST NEUTRONS USING A MOBILE NEUTRON GENERATOR.
ATOMSTRAHLUNG IN MEDIZIN UND TECHNIK. MUNICH, VERLAG KARL THIEMIG KG, 211-216 (1964). (GERMAN).
KERNFORSCHUNGSANLAGE JULICH, INSTITUT FUR RADIOCHEMIE, GERMANY.

1523 FISCHER, E.
METHODS AND EQUIPMENT FOR IRRADIATION TECHNIQUES AT THE GEESTHACHT RESEARCH REACTOR.
ATOMSTRAHLUNG IN MEDIZIN UND TECHNIK, MUNICH, VERLAG KARL THIEMIG KG, 199-205 (1964). (GERMAN).
INSTITUT FUR REAKTORPHYSIK DER GESELLSCHAFT FUR KERNENERGIEVERWERTUNG IN SCHIFFBAU UND SCHIFFAHRT MBH,REAKTORSTATION GEESTHACT-TESPERHUDE, GERMANY.

1524 THIEL, A.
USE OF SMALL REACTORS IN BIOLOGY, MEDICINE, AND INDUSTRY.
ATOMSTRAHLUNG IN MEDIZIN UND TECHNIK. MUNICH, VERLAG KARL THIEMIG KG, 83-90 (1964). (GERMAN).
GUTEHOFFNUNGSHUTTE STERKRADE, OBERSHAUSEN, GERMANY.

1525 LUX, F.
ACTIVATION DETERMINATION OF SILVER IN MATERIALS WITH HIGH CADMIUM CONTENT. II. THE DEVELOPMENT OF IRRADIATION EXPERIMENTS, ANALYSIS OF TESTS.
RADIOCHIM. ACTA, 3, 50-56 (1964). (GERMAN) (ENGLISH AND FRENCH SUMMARY). INSTITUT FUR RADIOCHEMIE DER TECHNISCHEN HOCHSCHULE MUNCHEN, GERMANY.

1526 KIESL, W. * HECHT, F.
ACTIVATION DETERMINATION OF IMPURITIES IN ALUMINUM. IV. DETERMINATION OF VANADIUM AND NICKEL.
RADIOCHIM. ACTA, 3, 48-50 (1964). (GERMAN) (ENGLISH AND FRENCH SUMMARIES). REAKTORZENTRUM SEIBERSDORF DER OSTERREICHISCHEN STUDIENGESSELLSCHAFT FUR ATOMENERGIE GES. M.B.H. (SGAE) UND ANALYTISCHES INSTITUT DER UNIVERSITAT WIEN.

1527 BOBLETER, O. * MUSYL, I.
INSTRUMENTAL ACTIVATION DETERMINATION OF
URANIUM-238 OVER NEPTUNIUM-239.
RADIOCHIM. ACTA, 3, 57-61 (1964), (GERMAN)
(ENGLISH AND FRENCH SUMMARIES), ATOMINSTITUT DER
OSTERREICHISCHEN HOCHSCHULEN, WIEN, UND
ANALYTISCHES INSTITUT DER UNIVERSITAT WIEN.

1528 AUMANN, D.C. * BORN, H.J.
ACTIVATION DETERMINATION OF LITHIUM USING THE
REACTION CHAIN LI-6 (N, ALPHA) H-3 AND O-16 (T, N)
F-18.
RADIOCHIM. ACTA, 3, 62-73 (1964), (GERMAN)
(ENGLISH AND FRENCH SUMMARIES), INSTITUT FUR
RADIOCHEMIE DER TECHNISCHEN HOCHSCHULE MUNCHEN,
GERMANY.

1529 BAUMGARTNER, F. * SCHON, A.
SEPARATION OF ISOMERIC DIIODOBENZENE AND
IODOBENZENE BY PAPER CHROMATOGRAPHY AND THEIR
DETECTION BY ACTIVATION ANALYSES.
J. CHROMATOG., 13, 266-268 (1964). (1964).
(GERMAN), INSTITUT FUR RADIOCHEMIE DER
TECHNISCHEN HOCHSCHULE, MUNCHEN, GERMANY.

1530 FUJII, I.
THE NEUTRON-ACTIVATION OXYGEN METER USED IN
INDUSTRIES AND ITS APPLICATIONS.
EREKUTORONIKUSU, 9, 437-444 (APRIL 1964).
(JAPANESE). JAPAN.

1531 HATUDA, Z. * NISHIMURA, S. * ASAYAMA, T.
A TRIAL METHOD OF DETERMINING URANIUM AND THORIUM
CONTENT OF ROCKS IN RADIOACTIVE DISEQUILIBRIUM BY
NEUTRON ACTIVATION ANALYSIS (1).
MEM. COLL. SCI. UNIV. OF KYOTO, SER. B, 33, 47-51
(NOVEMBER 1966). (ENGLISH). GEOLOGICAL AND
MINERALOGICAL INSTITUTE, UNIVERSITY OF KYOTO,
JAPAN.

1532 AUMANN, D.C. * BORN, H.J.
DETERMINATION OF THE O-18 CONCENTRATION IN WATER
BY IRRADIATION WITH NEUTRONS.
NATURWISSENSCHAFTEN, 51, 159 (1964). (GERMAN).
INSTITUT FUR RADIOCHEMIE DER TECHNISCHEN
HOCHSCHULE, MUNCHEN.

1533 KAMEMOTO, Y. * YAMAGISHI, S.
DETERMINATION OF SODIUM, ANTIMONY, ARSENIC AND
COPPER IN LEAD METAL BY NEUTRON ACTIVATION
ANALYSIS WITH RADIOCHEMICAL SEPARATION.
NIPPON KAGAKU ZASSHI, 84, 823-826 (1963),
(JAPANESE) (ENGLISH SUMMARY), DIVISION OF
CHEMISTRY, JAPAN ATOMIC ENERGY RESEARCH INSTITUTE,
TOKAI-MURA, IBARAKI, JAPAN.

1534 HOLZL, J.
NEUTRON ACTIVATION OF PHOSPHATIDES.
NATURWISSENSCHAFTEN, 51, 241 (1964), (GERMAN).
INSTITUT FUR PHARMAZEUTISCHE ARZENEIMITTELLEHRE
DER UNIVERSITAT, MUNCHEN.

1535 DANIEL, R. * HAERDI, W. * MONNIER, D.
DETERMINATION OF SILICON IN MINERAL OIL BY FAST
NEUTRON ACTIVATION.
CHIMIA, 21, NO. 11, 544-546 (1967), (FRENCH)
(ENGLISH SUMMARY). LABORATOIRE DE CHIMIE
ANALYTIQUE ET DE CHIMIE MINERALE DE L UNIVERSITE
DE GENEVE, SWITZERLAND.

1536 HAERDI, W.
ON THE NOMOGRAPHIC DETERMINATION OF INTERFERENCES
AND LIMITS OF DETERMINATION OF ELEMENTS BY GAMMA
SPECTROMETRY AFTER NEUTRON ACTIVATION.
CHIMIA (AARAU), 18, 138-139 (1964). (FRENCH).
LABORATOIRES DE CHIMIE ANALYTIQUE ET DE CHIMIE
MINERALE DE L UNIVERSITE, ECOLE DE CHIMIE DE
GENEVE.

1537 CHOY, T.K. * LUKENS, H.R. * ANDERSEN, G.H.
DETERMINATION OF ZIRCONIUM BY ACTIVATION AND
CHEMICAL SEPARATION OF NB-97.
NUCLEAR APPLICATIONS, 1, NO. 2, 179-183 (APRIL
1965). (ENGLISH). GENERAL DYNAMICS CORPORATION,
SAN DIEGO, CALIF.

1538 RICQ, J.C. * CAPITANT, M. * TROLY, G.
DETERMINATION OF NIOBIUM AND TANTALUM BY NEUTRON
ACTIVATION IN ROCKS AND MINERALS.
COMPT. REND., 258, 6486-6488 (1964), (FRENCH).
BUREAU DE RECHERCHES GEOLOGIQUES ET MINIERES ET
SOCIETE ATOME INDUSTRIEL, FRANCE.

1539 DIEBOLT, J.
ANALYSIS OF GASES BY NEUTRON RADIOACTIVATION.
BULL. SOC. CHIM. FRANCE, NO. 6, 1389-1392 (1964).
(FRENCH). DEPARTEMENT DES RADIOELEMENTS, C.E.N.,
GRENOBLE, FRANCE.

1540 FLEURENCE, A.
APPLICATION OF ACTIVATION ANALYSIS TECHNIQUES AND
AUTORADIOGRAPHY TO SOME CERAMIC SAMPLES. RESULTS
OF THE FIRST TESTS.
BULL. SOC. FRANC. CERAM. NO. 61, 47-53 (1963).
(FRENCH). INGENIEUR DE RECHERCHES, SOCIETY
FRANCAISE DE CERAMIQUE. FRANCE.

1541 GIRARDI, F. * PAULY, J. * SABBIONI, E.
DETERMINATION OF COBALT IN STEEL BY NEUTRON
ACTIVATION AND GAMMA SPECTROMETRY.
BULL. SOC. CHIM. FRANCE, NO. 7, 1439-1445 (1964).
(FRENCH). CENTRE COMMUN DE RECHERCHE, EURATOM,
ISPRA, VARESE, ITALY.

1542 WODKIEWICZ, L.
DETERMINATION OF IMPURITIES IN METALLIC BISMUTH BY
NEUTRON ACTIVATION.
NUKLEONIKA, 8, 545-552 (1963). (FRENCH) (ENGLISH
SUMMARY). INSTITUT DE RECHERCHES NUCLEAIRES,
DEPARTEMENT DE CHIMIE ANALYTIQUE, WARSZAWA,
POLAND.

1543 BOUVILLE, A. * BLANC, D. * COULY, J. * FONTAN, J.
A NEW METHOD OF DETERMINATION OF CERTAIN GASEOUS
FISSION PRODUCTS.
NUCL. INSTR. METH., 27, 329-331 (1964). (FRENCH)
(ENGLISH SUMMARY). CENTRE DE PHYSIQUE NUCLEAIRE,
FACULTE DES SCIENCES, TOULOUSE, FRANCE.

1544 NUCLEONICS
AMERICIUM-241 SOURCES FOR ANALYTICAL APPLICATIONS.
NUCLEONICS. 20, NO. 11, 90 (NOV. 1962).
(ENGLISH). USA.

1545 SIMKOVA, M. * SLUNECKO, J.
APPLICATION OF AN AIR-OPERATED DEVICE FOR
IRRADIATION OF SAMPLES IN A REACTOR FOR ACTIVATION
ANALYSIS.
CHEM. ZVESTI, 22, NO. 2, 130-136 (1968).
(RUSSIAN) (ENGLISH AND CZECH SUMMARIES). THE
NUCLEAR RESEARCH INSTITUTE OF THE CZECHOSLOVAK
ACADEMY OF SCIENCES, REZ, PRAGUE, CZECHOSLOVAKIA.

1546 LOBANOV, E.M. * ZVYAGIN, V.I. * ZVEREV, B.P. * BLINKOV, D.I.
ON THE SENSITIVITY OF A METHOD FOR DETERMINING BORON IN A SILICON BY NEUTRON CAPTURE REACTORS.
RADIATSIONNYE EFFEKTY V KONDENSIROVANNYKH SREDAKH, TASHKENT, PUBLISHING HOUSE OF THE SCIENCES, 64-73 (1964). (RUSSIAN). RUSSIA.

1547 LOBANOV, E.M. * ZVYAGIN, V.I. * ZVEREV, B.P.
THE PROBLEM OF DETERMINING A LOW CONCENTRATION OF BORON IMPURITY IN SILICON.
RADIATSIONNYE EFFEKTY V KONDENSIROVANNYKH SREDAKH, TASHKENT, PUBLISHING HOUSE OF THE SCIENCES, 74-76 (1964). (RUSSIAN). RUSSIA.

1548 LOBANOV, E.M. * ZVYAGIN, V.I. * KIST, A.A. * SVIRIDOV, A.I. * EVSEENKO, Y. * MOSKOVTSEVA, G.A.
DETERMINATION OF IMPURITIES IN MONOCRYSTALLINE GERMANIUM BY THE METHOD OF ACTIVATION ANALYSIS.
RADIATSIONNYE EFFEKTY V KONDENSIROVANNYKH SREDAKH, TASHKENT, PUBLISHING HOUSE OF THE SCIENCES, 77-83 (1964). (RUSSIAN). RUSSIA.

1549 BABAEV, A. * LOBANOV, E.M.
GAMMA SPECTROMETRIC METHOD FOR DETERMINING LANTHANUM AND SAMARIUM IN MINERALS.
RADIATSIONNYE EFFEKTY V KONDENSIROVANNYKH SREDAKH, TASHKENT, PUBLISHING HOUSE OF THE SCIENCES, 89-94 (1964). (RUSSIAN). RUSSIA.

1550 LOBANOV, E.M. * MIRANSKII, I.A. * POZYCHANYUK, V.F. * SAIFUTDINOVA, D.G. * KHAIDAROV, A.A.
ON THE PROBLEMS OF DETERMINING GOLD IN ORES AND ROCKS.
RADIATSIONNYE EFFEKTY V KONDENSIROVANNYKH SREDAKH, TASHKENT, PUBLISHING HOUSE OF THE SCIENCES, 95-100 (1964). (RUSSIAN). RUSSIA.

1551 LOBANOV, E.M. * MIRANSKII, I.A. * ROMANOV, M.M. * KHAIDAROV, A.A.
ON THE DETERMINATION OF GOLD CONTENT IN ORES BY NEUTRON ACTIVATION ANALYSIS.
RADIATSIONNYE EFFEKTY V KONDENSIROVANNYKH SREDAKH, TASHKENT, PUBLISHING HOUSE OF THE SCIENCES, 101-107 (1964). (RUSSIAN). RUSSIA.

1552 DUBOIS, J, * COLARD, J, * VIS, H,L,
THE STUDY OF HYDROELECTROLITIC METABOLISM IN MAN BY MUSCULAR BIOPSIES ANALYSIS (WITH SPECIAL REFERENCE TO NEUTRON ACTIVATION),
J, NUCL, BIOL, MED,, 10, 39-51 (APRIL-JUNE 1966), (ENGLISH), SERVICE ET LABORATOIRE DE PEDIATRIE, UNIVERSITE LIBRE DE BRUXELLES, AND CENTRE D ETUDE DE L ENERGIE NUCLEAIRE, MOL, BELGIUM,

1553 LOBANOV, E,M, * ROMANOV, M,M, * KHAIDAROV, A,A,
DETERMINATION OF MERCURY IN ORES AND CONCENTRATES BY GAMMA SPECTROMETRY OF RADIATIVE NEUTRON CAPTURE IN THE HORIZONTAL CHANNEL OF VVR-S,
RADIATSIONNYE EFFEKTY V KONDENSIROVANNYKH SREDAKH, TASHKENT, PUBLISHING HOUSE OF THE SCIENCES, 111-115 (1964), (RUSSIAN), RUSSIA,

1554 LOBANOV, E,M, * NORIKOV, A,P, * NIKANOROV, G,S, * ROMANOV, O,M, * KHAIDAROV, A,A,
THE EFFICIENCY OF LOCATING COPPER SULFIDE ORES IN A WELL PROFILE BY NEUTRON ACTIVATION LOGGING,
RADIATSIONNYE EFFEKKY V KONDENSIROVANNYKH SREDAKH, TASHKENT, PUBLISHING HOUSE OF THE SCIENCES, 116-125 (1964), (RUSSIAN), RUSSIA,

1555 LOBANOV, E,M, * NOVIKOV, A,P, * NIKANOROV, G,S, * KHAIDAROV, A,A,
DETERMINATION OF COPPER CONTENT OF DRILLED HOLES BY MEANS OF ACTIVATION LOGGING,
RADIATSIONNYE EFFEKTY V KONDENSIROVANNYKH SREDAKH, TASHKENT, PUBLISHING HOUSE OF THE SCIENCES, 126-137 (1964), (RUSSIAN), RUSSIA,

1556 LOBANOV, E,M, * NOVIKOV, A,P, * NIKANOROV, S,G, * KHAIDAROV, A,A,
A NEW METHOD OF INTERPRETING TWO-COMPONENT CURVES WHICH INCLUDES THE DECAY OF AN INDUCED ACTIVITY AND WHICH TAKES INTO ACCOUNT THE BACKGROUND OF LONG-LIVED ISOTOPES,
RADIATSIONNYE EFFEKTY V KONDENSIROVANNYKH SREDAKH, TASHKENT, PUBLISHING HOUSE OF THE SCIENCES, 138-144 (1964), (RUSSIAN), RUSSIA,

1557 LOBANOV, E.M. * NOVIKOV, A.P. * KHAIDAROV, A.A. * CHERNYSHEV, A.I.
A DEVICE FOR AUTOMATIC ANALYSIS OF TWO-COMPONENT ISOTOPIC MIXTURES WITH NEARLY IDENTICAL HALF LIVES INVESTIGATED BY DIRECTED ACTIVITY METHOD.
RADIATSIONNYE EFFEKTY V KONDENSIROVANNYKH SREDAKH. TASHKENT, PUBLISHING HOUSE OF THE SCIENCES, 145-148 (1964). (RUSSIAN). RUSSIA.

1558 GLASSON, V.V. * DRINKIN, V.I. * LEIPUNSKAYA, D.I. * PUTYATINA, N.D.
RAPID ACTIVATION ANALYSIS OF SILICEOUS ROCKS.
NUCLEAR GEOPHYSICS, III, 599-612 (1963). (RUSSIAN) (POLISH SUMMARY). ALL-UNION SCIENTIFIC AND RESEARCH INSTITUTE OF NUCLEAR GEOPHYSICS AND GEOCHEMISTRY, MOSCOW, RUSSIA.

1559 KHOLIN, A.I. * YAKUBSON, K.I. * NEDOSTUP, G.A.
APPLICATION OF GAMMA-RAY SPECTROMETRY FROM THE CAPTURE AND EXCITED ACTIVITY IN THE INVESTIGATION OF CHEMICAL COMPOSITION OF ROCKS.
NUCLEAR GEOPHYSICS, IV, 781-811 (1963). (RUSSIAN) (POLISH SUMMARY). I.M. GHUBKINS MOSCOW INSTITUTE OF PETROCHEMICAL AND GAS INDUSTRY, NUCLEAR GEOPHYSICS LABORATORY, MOSCOW, RUSSIA.

1560 LUTZ, G.J. * DE SOETE, D.A.
DETERMINATION OF CARBON IN SODIUM BY PHOTON ACTIVATION ANALYSIS.
ANAL. CHEM., 40, NO. 4, 820-822 (1968). (ENGLISH). NATIONAL BUREAU OF STANDARDS, WASHINGTON, D.C.

1561 ZVYAGIN, V.I. * LOBANOV, E.M. * ZVEREV, B.P. * LENCHENKO, V.M.
APPLICATION OF B-10(N,ALPHA)LI-7 REACTION TO THE DETERMINATION OF BORON IN SILICON.
RADIATSIONNYE EFFEKTY V TVERDYKH TELAKH. TASHKENT, PUBLISHING HOUSE OF ACADEMY OF SCIENCES, 56-67 (1963). (RUSSIAN). RUSSIA.

1562 OOSTERKAMP, W.J.
TECHNICAL FRUITS OF NUCLEAR RESEARCH.
PHILIPS TECH. REV., 24, 1-13 (14 NOV. 1962). (ENGLISH). PHILIPS RESEARCH LABORATORIES, EINDHOVEN, NETHERLANDS.

1563 YAMAGATA. N,
THE CONCENTRATION OF COMMON CESIUM AND RUBIDIUM IN
HUMAN BODY.
J. RADIATION RES. (JAPAN), 3, 9-30 (MAR, 1962).
(ENGLISH). DEPARTMENT OF RADIOLOGICAL HEALTH. THE
INSTITUTE OF PUBLIC HEALTH, TOKYO, JAPAN,

1564 KIESL, W, * HECHT, F, * SORANTIN, H,
DETERMINATION OF IMPURITIES IN ALUMINUM BY
ACTIVATION ANALYSIS, V, ANALYTICAL SCHEME FOR THE
DETERMINATION OF ANTIMONY, TIN, SCANDIUM, HAFNIUM,
CHROMIUM, COBALT, IRON, ZINC, AND INDIUM,
MIKROCHIM. ICHNOANAL. ACTA, 954-966 (1964).
(GERMAN) (ENGLISH AND FRENCH SUMMARIES),
REAKTORZENTRUM SEIBERSDORF DER OSTERREICHISCHEN
STUDIENGESELLSCHAFT FUR ATOMENERGIE GES,M,B,H, UND
DEM ANALYTISCHEN INSTITUT DER UNIVERSITAT WIEN,

1565 AOKI, F, * OKADA, M,
STUDY ON RAPID ANALYSIS BY RADIOACTIVATION (IV)
DETERMINATION OF VANADIUM IN PETROLEUM,
TOKYO KOGYO SHIEKENSHO HOKOKU, 58, NO, 2, 49-53
(1963). (JAPANESE) (ENGLISH SUMMARY), JAPAN,

1566 BAEDECKER, P.A. * EHMANN, W.D,
THE DISTRIBUTION OF SOME NOBLE METALS IN
METEORITES AND NATURAL MATERIALS,
GEOCHIM, COSMOCHIM, ACTA, 29, 329-342 (1965).
(ENGLISH). DEPARTMENT OF CHEMISTRY, UNIVERSITY OF
KENTUCKY, LEXINGTON, KENTUCKY,

1567 WAINERDI, R.E, * FITE, L.E, * STEELE, E,L,
THE USE OF HIGH-SPEED, COMPUTER-COUPLED, AUTOMATIC
SYSTEMS FOR NONDESTRUCTIVE MEDICAL AND BIOLOGIC
NUCLEAR ACTIVATION ANALYSES,
NASA-CR-52997, 48P., 1963. (ENGLISH), TEXAS A AND
M UNIVERSITY , ACTIVATION ANALYSIS RESEARCH
LABORATORY, COLLEGE STATION, TEXAS,

1568 CROFFORD, W,N, * KOVACINA, T,A,
THE DETERMINATION OF MERCURY IN LITHIUM HYDROXIDE
AND LITHIUM CARBONATE BY ACTIVATION ANALYSIS,
TID-7606, 248-252 (1960), (ENGLISH), U.S, NAVAL
RESEARCH LABORATORY, WASHINGTON, D.C,

1569 DUCE, R.A. * WINCHESTER, J.W. * VAN NAHL, T.W.
IODINE, BROMINE, AND CHLORINE IN THE HAWAIIAN
MARINE ATMOSPHERE.
J. GEOPHYS. RES., 70, 1775-1799 (1965). (ENGLISH).
DEPARTMENTS OF GEOLOGY AND GEOPHYSICS AND OF
CHEMISTRY, MIT, CAMBRIDGE, MASS.

1570 GIBBONS, D. * SIMPSON, H.
THE DETERMINATION OF SULPHUR IN MATERIALS OF HIGH
NEUTRON ABSORPTION CROSS-SECTION BY FAST NEUTRON
ACTIVATION ANALYSIS.
INTERN. J. APPL. RAD. AND ISOTOPES, 9, 143 (1960).
(ENGLISH). UKAEA, AERE, HARWELL, DIDCOT, ENGLAND.

1571 TANNER, J.T. * EHMANN, W.D.
THE ABUNDANCE OF ANTIMONY IN METEORITES, TEKTITES
AND ROCKS BY NEUTRON ACTIVATION ANALYSIS.
GEOCHIM. COSMOCHIM. ACTA, 31, NO. 10, 2007-2026
(1967). (ENGLISH). DEPARTMENT OF CHEMISTRY,
UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY.

1572 WOOD, H.L. * LOGERQUIST, B.A.A.
WEAR MEASUREMENT OF MACHINE PARTS BY ACTIVATION
ANALYSIS.
TID-7689, 137-142, UNDATED. (ENGLISH). VIRGINIA
POLYTECHNIC INSTITUTE, BLACKSBURG.

1573 GIRARDI, F. * GUZZI, G. * PAULY, J.
APPLICATION OF LITHIUM-DRIFTED GERMANIUM
SOLID-STATE DETECTORS TO THE DETERMINATION OF
HAFNIUM IN ZIRCONIUM OXIDE BY ACTIVATION ANALYSIS.
RADIOCHIM. ACTA, 4, 109-110 (1965). (ENGLISH).
JOINT NUCLEAR RESEARCH CENTER, ISPRA
ESTABLISHMENT, ITALY.

1574 ZITNANSKY, B. * SEBESTIAN, I.
GAMMA SPECTROMETRIC DETERMINATION OF HAFNIUM IN
ZIRCONIUM.
CHEM. LISTY, 57, 518-526 (1963). (CZECH) (RUSSIAN
AND GERMAN SUMMARIES). VYZKUMNY USTAV ZVARCSKY,
BRATISLAVA.

1575 RUZICKA, J. * STARY, J.
SUBSTOICHIOMETRIC DETERMINATION OF TRACES OF
METALS VIA ACTIVATION ANALYSIS AND ISOTOPIC
DILUTION METHODS.
CHEM. LISTY, 57, 1025-1047 (1963). (CZECH).
KATEDRA JADERNIE CHEMIE, FAKULTA TECHNICKE A
JADERNE FYSIKY, PRAHA.

1576 SEDLACEK, W.A, * RYAN, V.A.
PROMPT ACTIVATION ANALYSIS FOR LITHIUM-6.
ANAL. CHEM., 40, NO. 4, 678-682 (1968).
(ENGLISH). DEPARTMENT OF CHEMISTRY, UNIVERSITY OF
WYOMING, LARAMIE, WYOMING.

1577 BEYERMANN, K.
X-RAY FLUOROMETRIC AND ACTIVATION ANALYTICAL
DETERMINATION OF BROMINE IN BIOLOGICAL MATERIAL.
Z. ANAL. CHEM., 183, 199-203 (1961), (GERMAN),
INSTITUT FUR ANORGANISCHE CHEMIE UND KERNCHEMIE
DER UNIVERSITAT MAINZ.

1578 GROTHE, K.H. * REINHARDT, K.
DETERMINATION OF SMALL AMOUNTS OF HAFNIUM IN
ZIRCONIUM OXIDE BY NEUTRON ACTIVATION ANALYSIS.
Z. ANAL. CHEM., 204, 176-181 (1964), (GERMAN)
(ENGLISH SUMMARY), INSTITUT FUR ANORGANISCHE
CHEMIE DER TECHNISCHEN HOCHSCHULE HANNOVER.

1579 STARY, J. * RUZICKA, J.
SUBSTOICHIOMETRIC DETERMINATION OF TRACES OF
METALS.
TALANTA, 11, 697-702 (1964), (ENGLISH) (GERMAN AND
FRENCH SUMMARIES), DEPARTMENT OF NUCLEAR
CHEMISTRY, FACULTY OF TECHNICAL AND NUCLEAR
PHYSICS, PRAHA, BREHOVA, CZECHOSLOVAKIA.

1580 ISENHOUR, T.L. * MORRISON, G.H.
A COMPUTER PROGRAM TO OPTIMIZE TIMES OF
IRRADIATION AND DECAY IN ACTIVATION ANALYSIS.
ANAL. CHEM., 36, 1089-1092 (1964), (ENGLISH).
DEPARTMENT OF CHEMISTRY, CORNELL UNIVERSITY,
ITHACA, N.Y.

1581 HERAK, M.J. * MORRIS, D.F.C.
NEUTRON ACTIVATION ANALYSIS OF TRACES OF
PALLADIUM, GOLD, AND IRIDIUM IN SUPERNATES FROM
THE REFINING OF PRECIOUS METALS.
CROAT. CHEM. ACTA, 36, 67-71 (1964), (ENGLISH),
DEPARTMENT OF CHEMISTRY, BRUNEL COLLEGE, LONDON,
W. 3, ENGLAND.

1582 PATROVSKY, V.
PROGRESS IN THE ANALYTICAL CHEMISTRY OF NIOBIUM
AND TANTALUM.
CHEM. LISTY, 58, 657-664 (1964), (CZECH),
USTREDNI USTAV GEOLOGICKY, PRAHA.

1583 ARMSTRONG, A.A., JR. * RUTHERFORD, H.A.
APPLICATION OF NUCLEAR RADIATION AND RADIOISOTOPES TO TEXTILE MATERIALS AND PROCESSES, PROGRESS AND QUARTERLY REPORT, DEC. 1, 1960-FEB. 28, 1961.
NCSC-2477-2, 62P., MARCH 31, 1961. (ENGLISH). NORTH CAROLINA STATE COLLEGE, SCHOOL OF TEXTILES, RALEIGH, N.C.

1584 GLEIT, C.E. * HOLLAND, W.D. * BENSON, P.A. * RUSSELL, I.J.
NEUTRON ACTIVATION ANALYSIS OF ELEMENTS AT CONCENTRATIONS OF LESS THAN 1 PART/10EXPON9.
TRANS. AM. NUCL. SOC., 7, 204 (1964). (ENGLISH). TRACERLAB, RICHMOND, CALIF.

1585 DVJKHBABNAYA, T.M. * LOBANOV, E.M. * MIRANSKII, I.A. * POZYCHANYUK, V.F. * SAIFUTDINOVA, D.G. * KHAIDAROV, A.A.
DETERMINATION OF SMALL AMOUNTS OF GOLD AND RHENIUM IN SAMPLES OF ROCKS BY NEUTRON ACTIVATION ANALYSIS.
INDUSTRIAL LAB., 30, 1028-1030 (1964). (ENGLISH TRANSLATION). INSTITUTE OF NUCLEAR PHYSICS, ACADEMY OF SCIENCES UZBEK SSR, RUSSIA.

1586 MC FARLING, J.L. * GLUCK, P. * KIRCHNER, J.F. * SUNDERMAN, D.N.
CALIBRATION OF AN ISOTOPIC NEUTRON SOURCE FOR INTRINSIC-TRACER PROCESS CONTROL.
TRANS. AM. NUCL. SOC., 5, 198-199 (1962). (ENGLISH). BATELLE MEMORIAL INSTITUTE, COLUMBUS, OHIO.

1587 RUZICKA, J. * STARY, J. * ZEMAN, A.
A NEW PRINCIPLE OF ACTIVATION-ANALYSIS SEPARATIONS--VIII. SUBSTOICHIOMETRIC DETERMINATION OF TRACES OF ANTIMONY.
TALANTA, 11, 1151-1156 (1964). (ENGLISH). (GERMAN AND FRENCH SUMMARIES). DEPARTMENT OF NUCLEAR CHEMISTRY, FACULTY OF TECHNICAL AND NUCLEAR PHYSICS, PRAHA, BREHOVA, CZECHOSLOVAKIA.

1588 ZEMAN, A. * RUZICKA, J. * STARY, J. * KLECKOVA, E.
A NEW PRINCIPLE OF ACTIVATION-ANALYSIS SEPARATIONS--VII. SUBSTOICHIOMETRIC DETERMINATION OF TRACES OF ARSENIC.
TALANTA, 11, 1143-1149 (1964). (ENGLISH) (GERMAN AND FRENCH SUMMARIES). DEPARTMENT OF NUCLEAR CHEMISTRY, FACULTY OF TECHNICAL AND NUCLEAR PHYSICS, PRAHA, BREHOVA, CZECHOSLOVAKIA.

1589 HARRIS, W.F.
AN INVESTIGATION OF FAST NEUTRON ACTIVATION ANALYSIS FOR DETERMINATION OF OXYGEN IN METALS.
TALANTA, 11, 1376-1380 (1964), (ENGLISH) (GERMAN AND FRENCH SUMMARIES), GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORP., SAN DIEGO, CALIF,

1590 KINSEY, R.J. * DANFORTH, J.P. * GREEN, F.L. * KERWICK, W. * KOHN, R.E.
THE ANALYSIS OF SILICON IN CAST IRON BY FAST NEUTRON ACTIVATION.
TRANS. AM. NUCL, SOC., 5, 200-201 (1962), (ENGLISH). GMC, DANVILLE,

1591 KOHN, R.E. * GREEN, F.L.
THE DETERMINATION OF SILICON IN ALUMINUM ALLOY BY FAST NEUTRON ACTIVATION ANALYSIS,
TRANS. AM. NUCL, SOC., 5, 201 (1962), (ENGLISH). GENERAL MOTORS RESEARCH LABORATORIES, WARREN, MICHIGAN.

1592 GROSSE-RUYKEN, H. * DOGE, H.G.
ESTIMATION OF MOLYBDENUM IN TUNGSTEN BY ACTIVATION ANALYSIS.
TALANTA, 12, 73-80 (1965). (GERMAN) (ENGLISH AND FRENCH SUMMARIES), INSTITUT FUR ANORGANISCHE UND ANORGANISCH-TECHNISCHE CHEMIE DER TECHNISCHEN UNIVERSITAT, DRESDEN.

1593 RICCI, E.
OUTPUT SPECTRA OF 14-MEV NEUTRON GENERATORS RAPID ESTIMATION AND INFLUENCE IN ACTIVATION ANALYSIS.
TRANS. AM. NUCL, SOC., 7, 203-204 (1964), (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN,

1595 ORVINI, E,
DETERMINATION BY INSTRUMENTAL ACTIVATION ANALYSIS OF TRACES OF CHLORINE IN ORGANIC SUBSTANCES WITH NUCLEAR APPLICATION,
ENERG. NUCL. (MILAN), 14, 249-251 (APRIL 1967). (FRENCH), LABORATORIO DI RADIOCHIMICA, ISTITUTO DI CHIMICA GENERALE, UNIVERSITA DI PAVIA, ITALY,

1596 DESAI, H.B. * KRISHNAMOORTHY IYER, R. *
SANKAR DAS, M.
DETERMINATION OF SCANDIUM, YTTRIUM, SAMARIUM AND
LANTHANUM IN STANDARD SILICATE ROCKS, G-1 AND W-1,
BY NEUTRON-ACTIVATION ANALYSIS.
TALANTA, 11, 1249-1255 (1964), (ENGLISH) (GERMAN
AND FRENCH SUMMARIES), ANALYTICAL DIVISION, ATOMIC
ENERGY ESTABLISH4ENT, TROMBAY, BOMBAY, INDIA.

1597 WECHTER, M.A.
ACTIVATION ANALYSIS OF SOME TUNGSTEN BRONZES.
IS-T-156. 79P., MAY 1967. (ENGLISH), AMES
LABORATORY, IOWA STATE UNIVERSITY, AMES, IOWA.

1598 GIRARDI, F. * PAULY, J. * SABBIONI, E.
THE DETERMINATION OF OXYGEN IN ORGANIC COMPOUNDS
AND METALS BY ACTIVATION WITH 14 MEV NEUTRONS.
EUR 2290.F. 36P., 1965. (FRENCH) (ENGLISH
SUMMARY). JOINT NUCLEAR RESEARCH CENTER, ISPRA
ESTABLISHMENT, ITALY.

1599 MAHONY, J.D. * PARSA, B. * MARKOWITZ, S.S.
ACTIVATION ANALYSIS FOR CARBON AND NITROGEN BY
HE-3 INDUCED NUCLEAR REACTIONS.
UCRL-11213. 87-90, FEBRUARY 1964, (ENGLISH),
LAWRENCE RADIATION LABORATORY, UNIVERSITY OF
CALIFORNIA, BERKELEY, CALIF.

1600 ROBIN, G. * VIDAL, J.P.
THE INDUSTRIAL DEVELOPMENT OF ANALYSIS BY
ACTIVATION.
ENERGIE NUCL., 6, 365-370 (1964), (FRENCH).
SOCIETE L ATOME INDUSTRIEL, FRANCE.

1601 NAGY, L.G. * SZOKOLYI, L.
INVESTIGATIONS OF SOME MOTOR OIL ADDITIVES BY
NEUTRON ACTIVATION.
PERIODICA POLYTECH., 8, 41-62 (1964), (ENGLISH).
DEPARTMENT OF PHYSICAL CHEMISTRY, POLYTECHNICAL
UNIVERSITY, BUDAPEST, HUNGARY.

1602 PASZTOR, E. * KLOPFER, E.
PORTABLE NEUTRON GENERATOR FOR ACTIVATION
ANALYSIS.
MAGY. TUD. AKAD. KOSP. FIZ. KUT. INT. KOZLEMEN.,
12, 143-149 (1964). (HUNGARIAN). HUNGARY.

1603 ROHNSCH, W.
DETERMINATION OF IMPURITIES IN SELENIUM BY
ACTIVATION ANALYSIS,
KERNENERGIE, 7, 543-545 (1964), (GERMAN),
INSTITUT FUR ANGEWANDTE RADIOAKTIVITAT, LEIPZIG.

1604 HOLM, D.M. * SANDERS, W.M. * BRISCOE, W.L. *
PARKER, J.L.
MEASUREMENT OF THE SURFACE DISTRIBUTION OF CARBON
AND OXYGEN BY HE-3 ACTIVATION AND AUTORADIOGRAPHY,
LA-DC-8784, 15P., 1966, (ENGLISH), UNIVERSITY OF
CALIFORNIA, LOS ALAMOS SCIENTIFIC LABORATORY, LOS
ALAMOS, NEW MEXICO.

1605 GORDON, C.L.
NUCLEONICS.
ANAL. CHEM., 21, 96-101 (1949), (ENGLISH),
NATIONAL BUREAU OF STANDARDS, WASHINGTON, D.C.

1606 GORDON, C.M. * LARSON, R.E.
ACTIVATION ANALYSIS OF AEROSOLS,
NP-14096, 17-22, JANUARY 1, 1964, (ENGLISH),
NUCLEONICS DIVISION, NAVAL RESEARCH LABORATORY,
WASHINGTON, D.C.

1607 ONDREJCIN, R.S.
DETERMINATION OF URANIUM ISOTOPES IN IRRADIATED
THORIUM,
DP-883, 16P., JUNE 1964, (ENGLISH), E.I. DUPONT DE
NEMOURS AND CO., AIKEN, SOUTH CAROLINA.

1608 ORDOGH, M. * SZABO, E.
ACTIVATION ANALYSIS,
MAGY. KEM. LAPJA, 20, NO. 3, 153-163
(1965).(HUNGARIAN) (ENGLISH SUMMARY), KOZPONTI
FIZIKAI KUTATO INTEZET.

1609 EICHELBERGER, J.F. * GROVE, G.R. * JONES, L.V.
BERYLLIUM ANALYSIS BY GAMMA ACTIVATION,
MLM-1160, 30, JUNE 28, 1963, (ENGLISH), MOUND
LABORATORY, MIAMISBURG, OHIO.

1610 VOBECKY, M. * KNOTEK, O.
THE DETERMINATION OF GOLD IN QUARTZ VIA ACTIVATION
ANALYSIS.
CHEM. LISTY, 58, 15-25 (1964), (CZECH), USTAV
JADERNEHO VYZKUMU CSAV, REZ.

1611 GREENWOOD, R.C. * REED, J. * STONE, C.A.
IRON ORE ANALYSIS UTILIZING NEUTRON CAPTURE GAMMA-RAYS.
TRANS. AM. NUCL. SOC., 4, 127 (1961). (ENGLISH).
ARMOUR RESEARCH FOUNDATION, CHICAGO, ILLINOIS.

1612 HECKER, R. * HERR, W.
THE QUANTITATIVE DETECTION OF RADIONUCLIDES. GAMMA-QUANTA IN RADIATED CASCADE WITH THE HELP OF A SIMPLE GAMMA-GAMMA COINCIDENCE CIRCUIT (THE NON-DESTRUCTIVE ACTIVATION ANALYSIS OF TRACE HAFNIUM IN ZIRCONIUM).
NUKLEONIK, 4, 19-23 (1962). (GERMAN).
KERNFORSCHUNGSANLAGE JULICH, ARBEITSGRUPPE. INSTITUT FUR RADIOCHEMIE.

1613 CSAJKA, M. * ORDOGH, M.
ANALYSIS OF GRADED PURITY NICKEL.
MAGY. TUD. AKAD. KOSP. FIZ. KUT. INT. KOZLEMEN., 12, 335-344 (1964). (HUNGARIAN). HUNGARY.

1614 ORDOGH, M. * HEGEDUES, D. * SZABO, E.
NEUTRON ACTIVATION ANALYSIS OF REACTOR-GRADE URANIUM COMPOUNDS.
MAGY. TUD. AKAD. KOSP. FIZ. KUT. INT. KOZLEMEN., 12, 345-353 (1964). (HUNGARIAN). HUNGARY.

1615 SZABO, E. * ELEK, A. * ORDOGH, M. * UPOR, E.
DETERMINATION OF TRACE ELEMENTS IN ROCKS BY NEUTRON ACTIVATION ANALYSIS.
MAGY. TUD. AKAD. KOSP. FIZ. KUT. INT. KOZLEMEN., 12, 355-364 (1964). (HUNGARIAN). HUNGARY.

1616 UPOR-JUVANCZ, V. * ORDOGH, M.
NEUTRON ACTIVATION ANALYSIS OF GRADED PURITY SILICON.
MAGY. TUD. AKAD. KOSP. FIZ. KUT. INT. KOZLEMEN., 12, 365-376 (1964). (HUNGARIAN). HUNGARY.

1617 KELEN, E. * ORDOGH, M.
NON-DESTRUCTIVE ANALYSIS OF DIPHENYL AND DIPHENYL METHANE BY NEUTRON ACTIVATION.
MAGY. TUD. AKAD. KOSP. FIZ. KUT. INT. KOZLEMEN., 12, 377-384 (1964). (HUNGARIAN). HUNGARY.

1618 CLARK, L., JR, * RASMUSSEN, N.C,
PROMPT ACTIVATION ANALYSIS FOR BORON AND LITHIUM.
AFCRL-63-575, 92P., OCTOBER 1963, (ENGLISH),
MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE,
MASS.

1619 SOCIETE ANONYME DE MACHINES ELECTROSTATIQUES
ACTIVATION ANALYSIS ASSEMBLY, PROVISIONAL
TECHNICAL SPECIFICATIONS
RT/2557, 6P., 1964, (FRENCH), FRANCE,

1620 YULE, H.P. * LUKENS, H.R., JR, * GUINN, V.P,
UTILIZATION OF REACTOR FAST NEUTRONS FOR
ACTIVATION ANALYSIS, ANNUAL REPORT FOR THE PERIOD
ENDING NOVEMBER 30, 1963,
GA-5073, 95P., MARCH 25, 1964, (ENGLISH),
GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORP.,
SAN DIEGO, CALIF.

1621 JAMIN-CHANGEART, F, * TALBOT-BESNARD, S,
SOLUBILITY OF SULFUR IN HIGHLY PURIFIED IRON.
COMPT. REND., 258, 907-909 (1964). (FRENCH).
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE,
PARIS, FRANCE,

1622 SOCIETE ANONYME DE MACHINES ELECTROSTATIQUES
ANALYSIS BY ACTIVATION. EXAMPLE OF SPECTRA
STRIPPING,
RT/2568, 9P., 1964, (FRENCH), FRANCE,

1623 GORSKI, L,
THE FEASIBILITY OF THE FAST NEUTRON ACTIVATION
ANALYSIS TO THE COPPER CONTENT DETERMINATION IN
COPPER ORES,
NUKLEONIKA. 8, 421-424 (1963), (ENGLISH),
INSTITUTE OF RADIOISOTOPES TECHNIQUES, ACADEMY OF
MINING AND METALLURGY, KRAKOW,

1624 OKADA, M.
REVISED CURVE FOR SELF-SHIELDING EFFECT IN NEUTRON
ACTIVATION.
INTERN. J. APPL. RAD. AND ISOTOPES, 14, 635
(1963), (ENGLISH), GOVERNMENT CHEMICAL INDUSTRIAL
RESEARCH INSTITUTE, TOKYO HON-MACHI, SHIBUYA,
TOKYO, JAPAN.

1625 WAINERDI, R,E,
ACTIVATION ANALYSIS FINDS ITS PLACE IN THE LIFE
SCIENCES.
NUCLEONICS. 22, NO. 2, 57-60 (1964), (ENGLISH),
TEXAS A AND M UNIVERSITY, COLLEGE STATION, TEXAS,

1626 CANADIAN CHEMICAL PROCESSING
EASIER ANALYSIS WITH NEUTRON ACTIVATION,
CAN. CHEM. PROCESS., 46, 74-75 (1962), (ENGLISH),
CANADA.

1627 JOHNSON, R.A.
GEOMETRY-RELATED ERRORS IN INSTRUMENTAL
NEUTRON-ACTIVATION ANALYSIS,
TALANTA, 11, 149-158 (1964), (ENGLISH) (GERMAN
AND FRENCH SUMMARIES), SHELL DEVELOPMENT CO.,
EMERYVILLE, CALIF.

1628 ROHNSCH, W.
PROBLEMS OF THE DETERMINATION OF ARSENIC AND
SELENIUM BY ACTIVATION ANALYSIS,
MIKROCHIM. ICHNOANAL. ACTA, 1164-1174 (1964),
(GERMAN) (ENGLISH AND FRENCH SUMMARIES), INSTITUT
FUR ANGEWANDIE RADIOAKTIVITAT IN LEIPZIG DER
DEUTSCHEN AKADEMIE DER WISSENSCHAFTEN ZU BERLIN,
GERMANY.

1629 SAYRE, E.V.
METHODS AND APPLICATIONS OF ACTIVATION ANALYSIS,
ANN. REV. NUCL. SCI., 13, 145-162 (1963),
(ENGLISH). BROOKHAVEN NATIONAL LABORATORY, UPTON,
N.Y.

1630 KAJRANEN, P. * MEINKE, W.W.
A SURVEY OF PHOTONEUTRON SOURCES,
RADIOCHIM. ACTA, 2, 96-99 (1963), (ENGLISH)
(GERMAN AND FRENCH SUMMARIES), DEPARTMENT OF
CHEMISTRY, UNIVERSITY OF MICHIGAN, ANN ARBOR,
MICHIGAN.

1631 KAMEMOTO, Y. * YAMAGISHI, S.
RE-ACTIVATION ANALYSIS OF VANADIUM,
TALANTA, 11, 27-32 (1964), (ENGLISH) (GERMAN AND
FRENCH SUMMARIES), DIVISION OF CHEMISTRY, JAPAN
ATOMIC ENERGY RESEARCH INSTITUTE, TOKAI, IBARAKI,
JAPAN.

1632 GROSSMANN, O. * DOGE, H.G.
IRON DETERMINATION IN PURE ALUMINUM BY ACTIVATION
ANALYSIS,
KERNENERGIE, 7, 113-116 (1964), (GERMAN),
INSTITUT FUR ANGEWANDTE PHYSIK DER REINSTSTOFFE
DER DADW ZU BERLIN, DRESDEN, GERMANY.

1633 KOCH, H. * GROSSMANN, K.-D.
BROMINE DETERMINATION IN ZINC SULPHATE BY ACTIVATION ANALYSIS.
KERNENERGIE, 6, 651-653 (1963). (GERMAN). INSTITUT FUR ANGEWANDTE RADIOAKTIVITAT, LEIPZIG.

1634 SCHMITT, R.A. * SMITH, R.H. * OLEHY, D.A.
CADMIUM ABUNDANCES IN METEORITIC AND TERRESTRIAL MATTER.
GEOCHIM. COSMOCHIM. ACTA, 27, 1077-1088 (1963). (ENGLISH). GENERAL ATOMIC DIVISION OF GENERAL DYNAMICS CORP., JOHN JAY HOPKINS LABORATORY FOR PURE AND APPLIED SCIENCE, SAN DIEGO, CALIF.

1635 BATE, L.C. * EMERY, J.F. * LEDDICOTTE, G.W. * LYON, W.S. * PRO, M.J.
APPLICATION OF ACTIVATION ANALYSIS TO FORENSIC SCIENCE--I. PHYSICAL EVIDENCE.
INTERN.J. APPL. RAD. AND ISOTOPES, 14, 549-556 (1963). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN SUMMARIES). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1636 OTWINOWSKI, W. * ALLINA, Z.
DETERMINATION OF MICROTRACE AMOUNTS OF MANGANESE IN NITRIC AND HYDROCHLORIC ACIDS BY NEUTRON ACTIVATION ANALYSIS.
NUKLEONIKA, 8, 411-419 (1963). (POLISH) (ENGLISH SUMMARY). INSTYTUT CHEMII OLOGNCJ, WARSZAWA, POLAND.

1637 EICHELBERGER, J.F. * GROVE, G.R. * JONES, L.V. * REMBOLD, E.A.
BERYLLIUM ANALYSIS BY GAMMA ACTIVATION.
MLM-1155, 41-43 (1963). (ENGLISH). MOUND LABORATORY, MIAMISBURG, OHIO.

1638 STRAIN, J.E. * LEDDICOTTE, G.W.
NEUTRON ACTIVATION ANALYSIS.
ORNL-3335, 40-41, SEPTEMBER 6, 1962. (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1639 REDDY, G.R. * SANKAR DAS, M.
THE USE OF REACTOR FAST NEUTRONS IN THE ANALYSIS OF FLUORINE.
BARC-280, 10P., 1967. (ENGLISH). BHABHA ATOMIC RESEARCH CENTRE, BOMMBAY, INDIA.

1640 VERNIN, E. * PERDIJON, J.
OPTIMUM OPERATING CONDITIONS FOR THE NEUTRON GENERATOR. ANNUAL REPORT, APRIL 1965-APRIL 1966. EUR-3210.F., VOL. 2, 88P., JUNE 1967. (FRENCH). SOCIETE ANONYME DE MACHINES ELECTROSTATIQUES, GRENOBLE, FRANCE.

1641 HOGDAHL, O.T.
NEUTRON ABSORPTION IN PILE NEUTRON ACTIVATION ANALYSIS. DETERMINATION OF COPPER AND GOLD IN SILVER.
QUOTE RADIOCHEMICAL METHODS OF ANALYSIS QUOTE, IAEA VIENNA, VOL. I, 23-40. 1965. (ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES). CENTRAL INSTITUTE FOR INDUSTRIAL RESEARCH, OSLO, BLINDERN, NORWAY.

1642 STRAIN, J.E. * LYON, W.S.
THE USE OF ISOTOPIC NEUTRON SOURCES FOR CHEMICAL ANALYSIS.
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. I. 245-261 (1965). (ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES). ANALYTICAL CHEMISTRY DIVISION. OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE.

1643 LYON, W.S. * ELDRIDGE, J.S. * CROWTHER, P.
EXPERIMENTAL STUDY OF ARTIFACTS AND ERRORS ENCOUNTERED IN GAMMA-RAY SPECTROMETRY FOR RADIOCHEMISTRY AND ACTIVATION ANALYSIS.
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. II, 33-46 (1965). (ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES). ANALYTICAL CHEMISTRY DIVISION. OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE.

1644 MAXIA, V. * MELONI, S. * ROLLIER, M.A. * VALENTINI, M.T.
COBALT ACTIVATION DETECTION IN THE CENTIGAMMAS RANGE, IN THE PRESENCE OF MILLIGRAM AMOUNTS OF IRON, FOR BIOLOGICAL ASSAY.
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. II, 25-32 (1965). (ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES). LABORATORIO DI RADIOCHIMICA DELL ISTITUTO DI CHIMICA GENERALE, UNIVERSITY OF PAVIA, ITALY.

1645 MOAV, B. * GITTER, S. * WELWART, Y. * AMIEL, S.
TRACING AND TRACE ELEMENT COMPOSITION OF SNAKE VENOM BY ACTIVATION ANALYSIS,
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. I, 205-216 (1965). (ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES). NUCLEAR CHEMISTRY DEPARTMENT, SOREQ RESEARCH ESTABLISHMENT, ATOMIC ENERGY COMMISSION, YAVNE, ISRAEL,

1646 BERZIN, A.K. * VITOZHENTS, G.C. * SULIN, V.V. * SHORNIKOV, S.I.
GAMMA-ACTIVATION ANALYSIS OF ROCK SAMPLES,
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. I, 361-389 (1965). (RUSSIAN) (ENGLISH, FRENCH AND SPANISH SUMMARIES). RUSSIA,

1647 MASLOV, I.A.
PLANNING OF ACTIVATION ANALYSIS IN HIGH NEUTRON FLUX,
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. I, 41-50 (1965), (RUSSIAN) (ENGLISH, FRENCH AND SPANISH SUMMARIES). RUSSIA,

1648 YAKOVLEV, Y.V. * DOGADKIN, N.N.
USE OF RADIOACTIVATION TO DETERMINE IMPURITIES IN SUBSTANCES OF A HIGH DEGREE OF PURITY,
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. I, 187-195 (1965). (RUSSIAN) (ENGLISH, FRENCH AND SPANISH SUMMARIES). RUSSIA,

1649 YULE, H.P. * GUINN, V.P.
ENHANCEMENT OF NEUTRON ACTIVATION ANALYSIS SENSITIVITIES BY USE OF REACTOR PULSES -- EXPERIMENTAL RESULTS FOR 13 ELEMENTS,
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. II, 111-122 (1965), (ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES), GENERAL ATOMIC DIVISION OF GENERAL DYNAMICS CORPORATION, JOHN JAY HOPKINS LABORATORY FOR PURE AND APPLIED SCIENCE, SAN DIEGO, CALIF,

1650 LIMA, F.W. * SHIBATA, H. * ATALLA, L.T.
ACTIVATION ANALYSIS APPLIED TO FORENSIC INVESTIGATION SOME OBSERVATIONS ON THE PROBLEM OF HUMAN HAIR INDIVIDUALIZATION,
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. I, 119-136 (1965). (ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES). INSTITUTO DE ENERGIA ATOMICA, S. PAULO, BRAZIL.

1651 CHRISTELL, R. * LJUNGGREN, K.
ANALYSIS OF ORE SAMPLES USING GAMMA-RAYS EMITTED UNDER IRRADIATION WITH A LOW-LEVEL NEUTRON SOURCE. QUOTE RADIOCHEMICAL METHODS OF ANALYSIS QUOTE, IAEA VIENNA, VOL. I, 263-275, 1965, (ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES), ISOTOPE TECHNIQUES LABORATORY, STOCKHOLM, SWEDEN.

1652 ABRAO, A.
ANALYSIS BY ACTIVATION, PART III, SIMULTANEOUS DETERMINATION OF COPPER AND URANIUM IN MINERALS BY RADIOACTIVATION.
IEA/RQ-8, 15P., APRIL 1959. (SPANISH). INSTITUTO DE ENERGIA ATOMICA, SAO PAULO, BRAZIL.

1653 BUZZELLI, G.
DETERMINATION OF LONG-LIVED IODINE-129 IN IRRADIATED GRAPHITE FUEL SYSTEMS.
ANAL. CHEM., 36, 1973-1975 (1964). (ENGLISH). GENERAL ATOMIC DIVISION OF GENERAL DYNAMICS CORP., SAN DIEGO, CALIF.

1654 NAKAI, T. * YAJIMA, S. * OKADA, M. * SHIBA, K.
ACTIVATION ANALYSIS OF SELENIUM BY SE-77M.
SYMPOSIUM ON RADIOCHEMISTRY, SHIZUOKA UNIVERSITY, SHIZUOKA, JAPAN, 100-101, OCTOBER 8-10, 1959. (ENGLISH). JAPAN ATOMIC ENERGY RESEARCH INSTITUTE AND GOVERNMENT CHEMICAL INDUSTRIAL RESEARCH INSTITUTE, TOKYO, JAPAN.

1655 GLEIT, C.E. * BENSON, P.A. * HOLLAND, W.D. * RUSSELL, I.J.
DETERMINATION OF SILVER, CADMIUM, INDIUM, TANTALUM, RHENIUM, GOLD, AND RARE EARTHS AT LOW CONCENTRATION BY NEUTRON ACTIVATION AND RADIOCHEMICAL ANALYSIS.
ANAL. CHEM., 36, 2067-2072 (1964). (ENGLISH). TRACERLAB, A DIVISION OF LABORATORY FOR ELECTRONICS, RICHMOND, CALIF.

1656 KUSAKA, Y. * TSUJI, H. * FUJII, I. * MUTO, H. * MIYOSHI, K.
GAMMA-RAY SPECTROMETRY IN RADIOACTIVATION ANALYSIS WITH 14 MEV NEUTRONS.
BULL. CHEM. SOC. JAPAN, 38, 617-624 (1965). (ENGLISH). DEPARTMENT OF CHEMISTRY, FACULTY OF SCIENCE, KONAN UNIVERSITY, HIGASHINADA-KU, KOBE, JAPAN.

1657 MEINKE, W.W.
BOOK REVIEW - QUOTE ACTIVATION ANALYSIS HANDBOOK QUOTE, R.C. KOCH, ACADEMIC PRESS, INC., NEW YORK, 219P., 1960,
ANAL. CHEM., 33, 78A (1961), (ENGLISH), DEPARTMENT OF CHEMISTRY, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICH.

1658 MERRETT, D.J.
EXPERIMENTAL TECHNIQUES FOR IN-PILE IRRADIATION EXPERIMENTS
AERE - L 153, 26P., SEPTEMBER 1964, (ENGLISH), RESEARCH REACTORS DIVISION, AERE, HARWELL, BERKSHIRE, ENGLAND.

1659 RAISIC, N.
REACTOR PHYSICS EXPERIMENTAL TECHNIQUES USED IN EXPLOITATION OF A RESEARCH REACTOR,
IAEA STUDY GROUP MEETING ON RESEARCH REACTOR UTILIZATION, BUCHAREST PL-137/20, 44P., 26-31 OCTOBER 1964. (ENGLISH), BORIS KIDRIC INSTITUTE OF NUCLEAR SCIENCES, BELGRADE, YUGOSLAVIA.

1660 RAKOVIC, M. * TALPOVA, H. * LANGEROVA, I.
POTASSIUM ESTIMATIONS IN BIOLOGICAL MATERIAL BY THE METHOD OF NEUTRON ACTIVATION ANALYSIS,
CASOPIS LEKARKU CESKYCH, 104, 297-303 (1965), (CZECH) (RUSSIAN, ENGLISH, FRENCH AND SPANISH SUMMARIES). KATEDRA LEKARSKE FYZIKY A NUKLEARNI MEDICINY FAKULTY VSEOBECNEHO LEKARSTVI KU V PRAZE.

1661 MERRETT, D.J.
SAFETY ASPECTS OF IRRADIATION EXPERIMENTS,
AERE - L 154, 15P., 1964, (ENGLISH), RESEARCH REACTORS DIVISION, AERE, HARWELL, BERKSHIRE, ENGLAND.

1662 RAKOVIC, M. * TALPOVA, H.
THE POSSIBILITY OF CORRECTING THE DISTURBING INFLUENCES OF ACCOMPANYING ELEMENTS ON THE DETERMINATION OF A PARTICULAR ELEMENT IN ACTIVATION ANALYSIS,
ATOMPRAXIS, 11, 151-153 (1965), (GERMAN) (ENGLISH AND FRENCH SUMMARIES), INSTITUT FUR BIOPHYSIK DER KARLS-UNIVERSITAT PRAG.

1663 BOCHIROL, L.
NEUTRON IRRADIATIONS AT LOW TEMPERATURE AT THE GRENOBLE NUCLEAR STUDY CENTER,
IAEA STUDY GROUP MEETING ON RESEARCH REACTOR UTILIZATION, BUCHAREST, CEA PL-137/21, 27P., 26-31 OCTOBER 1964, (FRENCH). COMMISSARIAT A L ENERGIE ATOMIQUE, CENTRE D ETUDES NUCLEAIRES DE GRENOBLE, FRANCE.

1664 RAKOVIC, M. * TALPOVA, E.
SODIUM ESTIMATION IN FILTRATION PAPER BY MEANS OF THE NEUTRON ACTIVATION ANALYSIS METHOD.
CHEM. PRUMYSL, 14, NO. 3, 152 (1964). (CZECH) (RUSSIAN SUMMARY). CHARLES UNIVERSITY, PRAGUE.

1665 GUINN, V.P.
THE DETERMINATION OF TRACES OF SE, V, SR, AND AS IN BIOLOGICAL SAMPLES BY NEUTRON-ACTIVATION ANALYSIS (WITH SPECIAL REFERENCE TO THE INSTRUMENTAL DETECTION OF 17-SECOND SE77M,
L ANALYSE PAR RADIOACTIVATION ET SES APPLICATIONS AUX SCIENCES BIOLOGIQUES, PRESSES UNIVERSITAIRES DE FRANCE, 108, BLVD. SAINT-GERMAIN, PARIS, 6E, 59-82, 1964, (ENGLISH). GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORP., SAN DIEGO, CALIF.

1666 SCHULZE, W.
FAST NEUTRONS IN ACTIVATION ANALYSIS,
L ANALYSE PAR RADIOACTIVATION ET SES APPLICATIONS AUX SCIENCES BIOLOGIQUES, PRESSES UNIVERSITAIRES DE FRANCE, 108, BLVD. SAINT-GERMAIN, PARIS, 6E, 85-118, 1964. (ENGLISH), BERLIN, GERMANY.

1667 LAVERLOCHERE, J.
RADIOACTIVATION ANALYSIS BY MEANS OF 14 MEV NEUTRONS.
L ANALYSE PAR RADIOACTIVATION ET SES APPLICATIONS AUX SCIENCES BIOLOGIQUES, PRESSES UNIVERSITAIRES DE FRANCE, 108, BLVD. SAINT-GERMAIN, PARIS, 6E, 123-130, 1964. (FRENCH), C.E.N. GRENOBLE, FRANCE.

1668 MARMIER, P.
ANALYSIS BY NUCLEAR REACTION,
L ANALYSE PAR RADIOACTIVATION ET SES APPLICATIONS AUX SCIENCES BIOLOGIQUES, PRESSES UNIVERSITAIRES DE FRANCE, 108, BLVD. SAINT-GERMAIN, PARIS, 6E, 131-143, 1964. (FRENCH), EIDGENOSSISCHE TECHNISCHE HOCHSCHULE, ZURICH.

1669 LEVIHAN, J.M.A.
TRACE ELEMENTS IN HUMAN DISEASE,
- ANALYSE PAR RADIOACTIVATION ET SES APPLICATIONS
AUX SCIENCES BIOLOGIQUES, PRESSES UNIVERSITAIRES
DE FRANCE, 108, BLVD. SAINT-GERMAIN, PARIS, 6E,
251-265, 1964, (ENGLISH), GLASGOW, SCOTLAND.

1670 HULL, D.E. * GILMORE, J.T.
COMPUTER ROUTINES FOR NEUTRON ACTIVATION ANALYSIS
OF LUBRICATING OILS,
ANAL. CHEM., 36, 2072-2077 (1964), (ENGLISH),
CALIFORNIA RESEARCH CORP., RICHMOND, CALIF.

1671 AOKI, F. * OKUBO, T.
ACTIVATION ANALYSIS OF INDIUM IN SPHALERITE,
SYMPOSIUM ON RADIOCHEMISTRY, SHIZUOKA UNIVERSITY,
SHIZUOKA, JAPAN, 101-103, OCTOBER 8-10, 1959,
(ENGLISH). GOVERNMENT CHEMICAL INDUSTRIAL RESEARCH
INSTITUTE, TOKYO, JAPAN.

1672 NAKAI, T. * YAJIMA, S. * KUROSAWA, R.
THE ACTIVATION ANALYSIS OF THE IMPURITIES IN
BISMUTH METAL,
SYMPOSIUM ON RADIOCHEMISTRY, SHIZUOKA UNIVERSITY,
SHIZUOKA, JAPAN, 104-106, OCTOBER 8-10, 1959,
(ENGLISH). JAPAN ATOMIC ENERGY RESEARCH INSTITUTE
AND WASEDA SCIENCE AND ENGINEERING RESEARCH,
JAPAN.

1673 YULE, H.P.
EXPERIMENTAL REACTOR THERMAL-NEUTRON ACTIVATION
ANALYSIS SENSITIVITIES,
ANAL. CHEM., 37, 129-132 (1965), (ENGLISH).
GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORP.,
SAN DIEGO, CALIF.

1674 LEDDICOTTE, G.W.
NUCLEONICS,
ANAL. CHEM., 36, 419R-453R (1964), (ENGLISH),
NUCLEAR DIVISION, UNION CARBIDE CO., TUXEDO, N.Y.

1675 LEONHARDT, W.G. * BAILEY, R.F.
DETERMINATION OF OXYGEN IN GALLIUM ARSENIDE BY
NEUTRON ACTIVATION ANALYSIS, AN EXCHANGE OF
COMMENTS,
ANAL. CHEM., 36, 1879 (1964), (ENGLISH),
DEUTSCHE AKADEMIE DER WISSENSCHAFTEN ZU BERLIN
ZENTRALINSTITUT FUR KERNFORSCHUNG, ROSSENDORF, AND
RADIO CORPORATION OF AMERICA, PRINCETON, N.J.

1676 GIRARDI, F. * GUZZI, G. * PAULY, J.
ACTIVATION ANALYSIS BY ABSOLUTE GAMMA RAY COUNTING AND DIRECT CALCULATION OF WEIGHTS FROM NUCLEAR CONSTANTS.
ANAL. CHEM., 36, 1588-1594 (1964), ,ENGLISH),
CENTRO COMMUNE DI RICERCHE EURATOM, ISPRA (VARESE), ITALY.

1677 BAKES, J.M. * JEFFERY, P.G.
DETERMINATION OF ZINC IN ORES AND MILL PRODUCTS BY NEUTRON ACTIVATION ANALYSIS.
ANAL. CHEM., 36, 1594-1597 (1964), (ENGLISH).
WARREN SPRING LABORATORY, D.S.I.R., STEVENAGE, HERTS, ENGLAND.

1678 FILBY, R.H.
DETERMINATION OF THE ZINC-68-ZINC-64 RATIO IN ROCKS AND MINERALS BY NEUTRON ACTIVATION ANALYSIS.
ANAL. CHEM., 36, 1597-1600 (1964), (ENGLISH).
MINERALOGICAL-GEOLOGICAL MUSEUM, UNIVERSITY OF OSLO, OSLO, NORWAY.

1679 NAKAI, T. * YAJIMA, S. * OKADA, M. * IMAI, T.
ACTIVATION ANALYSIS OF IMPURITIES IN GERMANIUM AND OTHER METALS OF HIGH PURITY.
SYMPOSIUM ON RADIOCHEMISTRY, SHIZUOKA UNIVERSITY, SHIZUOKA, JAPAN, 107-108, OCTOBER 8-10, 1959, (ENGLISH). JAPAN ATOMIC ENERGY RESEARCH INSTITUTE, TOKYO, JAPAN.

1680 TITTMAN, J. * NELLIGAN, W.B. * ANTKIW, S. * JOHNSON, F.F.
NUCLEAR DETERMINATION OF NITROGEN CONTENT.
U.S. PATENT 3,124,679, MARCH 10, 1964, (ENGLISH).
SCHLUMBERGER WELL SURVEYING CORP., HOUSTON, TEXAS.

1681 FUJII, I. * NATUSME, H.
ACTIVATION ANALYSIS OF INDIVIDUAL RARE EARTH ELEMENT IN THORIUM AS NUCLEAR FUEL.
SYMPOSIUM ON RADIOCHEMISTRY, SHIZUOKA UNIVERSITY, SHIZUOKA, JAPAN, 109-110, OCTOBER 8-10, 1959, (ENGLISH). TOKYO SHIBAURA ELECTRIC CO., TOKYO, JAPAN.

1682 NAKAI, T. * YAJIMA, S. * KAMEMOTO, Y. * SHIBA, K.
DETERMINATION OF RARE EARTH ELEMENTS IN THORIUM METAL AND OXIDE BY NEUTRON ACTIVATION.
SYMPOSIUM ON RADIOCHEMISTRY, SHIZUOKA UNIVERSITY, SHIZUOKA, JAPAN, 110-112, OCTOBER 8-10, 1959, (ENGLISH). JAPAN ATOMIC ENERGY RESEARCH INSTITUTE, JAPAN.

1683 HALL, H.E., JR.
PRODUCTIVITY WELL LOGGING BY ACTIVATION ANALYSIS AND FLUID WITH-DRAWAL,
U.S. PATENT 3,127,511, MARCH 31, 1964, (ENGLISH).
TEXACO INC., HOUSTON, TEXAS,

1684 FRYER, G.E.
METHOD AND APPARATUS FOR CALIBRATION OF WELL LOGGING APPARATUS,
U.S. PATENT 3,122,636, FEBRUARY 25, 1964,
(ENGLISH). GREAT LAKES CARBON CORP., HOUSTON, TEXAS.

1685 SWIFT, G.
GEOPHYSICAL PROSPECTING METHOD BY MEANS OF NUCLEAR RADIATION,
U.S. PATENT 3,121,164, FEBRUARY 11, 1964,
(ENGLISH). WELL SURVEYS, INC., TULSA, OKLA.

1686 YOUMANS, A.H.
OXYGEN-SILICON LOGGING METHOD UTILIZING EQUAL INTENSITY BUT DIFFERENT ENERGY NEUTRONS,
U.S. PATENT 3,120,612, FEBRUARY 4, 1964,
(ENGLISH). WELL SURVEYS INC., TULSA, OKLA.

1687 HSU, K.
NEUTRON ACTIVATION ANALYSIS,
ADVAN. BIOL. MED. PHYS., 8, 41-80 (1962),
(ENGLISH). DONNER LABORATORY OF BIOPHYSICS AND MEDICAL PHYSICS, UNIVERSITY OF CALIFORNIA, BERKELEY, CALIF.

1688 TUREKIAN, K.K.
ANNUAL PROGRESS REPORT, DECEMBER 1, 1963-NOVEMBER 30, 1964. GEOCHEMISTRY TECHNICAL REPORT 10.
TID-21137, 30P., AUGUST 31, 1964, (ENGLISH).
DEPARTMENT OF GEOLOGY, YALE UNIVERSITY, NEW HAVEN, CONN.

1689 BAUMGARTNER, F.
NEUTRON ACTIVATION ANALYSIS MEASUREMENT TECHNIQUES,
TELEFUNKEN ZTG., 35, 3-6 (1962), (GERMAN).
INSTITUT FUR RADIOCHEMIE DER TECHNISCHEN HOCHSCHULE, MUNCHEN.

1690 TERTOOLEN, J.F.W.
APPLICATION OF ACTIVATION METHODS IN CHEMICAL ANALYSIS.
CHEM. WEEKBLAD, 59, 245-247 (1963). (DUTCH).
ANALYTISCH INSTITUUT T.N.O., RIJSWIJK (ZH).

1691 ANDERS, O.U.
GAMMA RAY SPECTRA OF NEUTRON ACTIVATED ELEMENTS.
THE DOW CHEMICAL CO., REPORT, THIRD PRINTING,
70P., APRIL 1964. (ENGLISH). RADIOCHEMISTRY
LABORATORY, THE DOW CHEMICAL CO., MIDLAND,
MICHIGAN.

1692 KAISER, D.G. * MEINKE, W.W.
RAPID ACTIVATION ANALYSIS OF TRACE COPPER IN
TISSUE USING 5.1-MINUTE COPPER-66.
ANAL. BIOCHEM., 6, 77-81 (1963). (ENGLISH).
DEPARTMENT OF CHEMISTRY, UNIVERSITY OF MICHIGAN,
ANN ARBOR, MICH.

1693 HAMAGUCHI, H. * KAMEMOTO, Y. * IDENO, E. * ENDO, T.
* YASUNAGA, T.
DETERMINATION OF TRACE ELEMENTS IN SILICATE ROCKS
AND STONY METEORITES BY NEUTRON ACTIVATION.
SYMPOSIUM ON RADIOCHEMISTRY, SHIZUOKA UNIVERSITY,
SHIZUOKA, JAPAN, 113-114, OCTOBER 8-10, 1959.
(ENGLISH). TOKYO UNIVERSITY OF EDUCATION, TOKYO,
JAPAN.

1694 UMEZAWA, H. * NOMURA, S. * HARA, R.
THE SOLUBILITY DETERMINATION OF TRIBUTYL
PHOSPHATES IN WATER BY ACTIVATION ANALYSIS.
SYMPOSIUM ON RADIOCHEMISTRY, SHIZUOKA UNIVERSITY,
SHIZUOKA, JAPAN, 115-116, OCTOBER 8-10, 1959.
(ENGLISH). CHEMISTRY DIVISION, JAPAN ATOMIC ENERGY
RESEARCH INSTITUTE, JAPAN.

1695 ISTVAN, P. * LAJOS, V.
IRRADIATION FACILITIES IN THE WWR-C2 TYPE REACTOR
AT BUDAPEST.
IAEA STUDY GROUP MEETING ON RESEARCH REACTOR
UTILIZATION, BUCHAREST, PL-137/5, 31P., 26-31,
OCTOBER 1964. (FRENCH). BUDAPEST, HUNGARY.

1696 RAISIC, N, * DRAGANIC, I, * RADAK, B,
A REVIEW OF IN-PILE DOSIMETRY TECHNIQUES USED IN
RA AND RB RESEARCH REACTOR AT VINCA,
IAEA STUDY GROUP MEETING ON RESEARCH REACTOR
UTILIZATION, BUCHAREST, PL-137/25, 14P., 26-31
OCTOBER 1964, (ENGLISH), BORIS KIDRIC INSTITUTE OF
NUCLEAR SCIENCES, VINCA, YUGOSLAVIA,

1697 MATSUMURA, Y, * FUJINO, R,
STUDIES ON STRONTIUM METABOLISM OF RAT BONES BY
RADIOACTIVATION ANALYSIS,
PROC, JAPAN CONF, RADIOISOTOPES, 4TH, 794-797
(1961), (JAPANESE), TOKYO WOMENS MEDICAL
COLLEGE, TOKYO, JAPAN,

1698 NASS, H.W, * MADDOCK, R.S, * MEINKE, W.W,
NEUTRONS FOR SMALL LABORATORIES,
J, CHEM, EDUC., 41, 156-159 (1964), (ENGLISH),
UNIVERSITY OF MICHIGAN, ANN ARBOR, MICH,

1699 FOURNET, L,
SYSTEMATIC ANALYSIS OF ZIRCONIUM AFTER NEUTRON
IRRADIATION,
ANN, CHIM,, 7, 763-784 (1962), (FRENCH), CENTRE
D ETUDES DE CHIMIE METALLURGIQUE, VITRY-SUR-SEINE,
FRANCE,

1700 KOBAYASHI, M, * MIHARA, T,
STUDY ON THE METALLIC IMPURITIES IN PURE ALUMINUM
BY MEANS OF ACTIVATION METHOD,
PROC, JAPAN CONF, RADIOISOTOPES, 4TH, 554-557
(1961), (JAPANESE), TOKYO METROPOLITAN ISOTOPE
CENTER, TOKYO, JAPAN,

1701 WOOD, J.D.L.H, * LOMER, P.D, * BOUNDEN, J.E,
HIGH OUTPUT NEUTRON TUBE FOR ACTIVATION ANALYSIS,
L ANALYSE PAR RADIOACTIVATION ET SES APPLICATIONS
AUX SCIENCES BIOLOGIQUES, PRESSES UNIVERSITAIRES
DE FRANCE, 108, BLVD, SAINT-GERMAIN, PARIS, 6E,
119-122, 1964, (ENGLISH), BALDOCK, ENGLAND,

1702 WAINERDI, R.E, * FITE, L.E, * STEELE, E.L,
THE USE OF HIGH-SPEED COMPUTER-COUPLED AUTOMATIC
SYSTEMS FOR NON-DESTRUCTIVE MEDICAL AND BIOLOGIC
NUCLEAR ACTIVATION ANALYSIS,
L ANALYSE PAR RADIOACTIVATION ET SES APPLICATIONS
AUX SCIENCES BIOLOGIQUES, PRESSES UNIVERSITAIRES
DE FRANCE, 108, BLVD, SAINT-GERMAIN, PARIS, 6E,
171-198, 1964, (ENGLISH), TEXAS AGRICULTURAL AND
MECHANICAL COLLEGE, COLLEGE STATION, TEXAS,

1703 ALTMANN, H. * STEHLIK, G. * KAINDL, K.
THE USE OF NEUTRON ACTIVATION ANALYSIS ON THE
DETERMINATION OF TRACE ELEMENTS IN TOBACCO MOSAIC
VIRUS AND NUCLEIC ACIDS OF TOBACCO PLANTS,
L ANALYSE PAR RADIOACTIVATION ET SES APPLICATIONS
AUX SCIENCES BIOLOGIQUES, PRESSES UNIVERSITAIRES
DE FRANCE, 108, BLVD. SAINT-GERMAIN, PARIS, 6E,
243-250, 1964. (ENGLISH), SEIBERSDORF,

1704 FLECKENSTEIN, A. * JANKE, J.
BIOLOGICAL APPLICATION OF ACTIVATION ANALYSIS OF
OXYGEN-18.
L ANALYSE PAR RADIOACTIVATION ET SES APPLICATIONS
AUX SCIENCES BIOLOGIQUES, PRESSES UNIVERSITAIRES
DE FRANCE, 108, BLVD. SAINT-GERMAIN, PARIS, 6E,
267-285, 1964. (FRENCH), FRIBOURG, FRANCE,

1705 COTZIAS, G.C. * PAPAVASILIOU, P.S. * MILLER, S.T.
NEUTRON ACTIVATION ANALYSIS CLINICAL AND
BIOLOGICAL STUDIES OF MANGANESE,
L ANALYSE PAR RADIOACTIVATION ET SES APPLICATIONS
AUX SCIENCES BIOLOGIQUES, PRESSES UNIVERSITAIRES
DE FRANCE, 108, BLVD. SAINT-GERMAIN, PARIS, 6E,
287-306, 1964. (ENGLISH), UPTON, N.Y.

1706 JUNOD, E. * LAVERLOCHERE, J.
ISOTOPIC ANALYSIS OF CALCIUM 48 BY NEUTRON
ACTIVATION.
L ANALYSE PAR RADIOACTIVATION ET SES APPLICATION
AUX SCIENCES BIOLOGIQUES, PRESSES UNIVERSITAIRES
DE FRANCE, 108, BLVD. SAINT-GERMAIN, PARIS, 6E,
337-360, 1964. (FRENCH), C.E.N. GRENOBLE, FRANCE.

1707 PIJCK, J. * HOSTE, J.
THE DETERMINATION OF CU, CR, ZN, CO, NA AND K IN
BLOOD SERUM,
L ANALYSE PAR RADIOACTIVATION ET SES APPLICATIONS
AUX SCIENCES BIOLOGIQUES, PRESSES UNIVERSITAIRES
DE FRANCE, 108, BLVD. SAINT-GERMAIN, PARIS, 6E,
361-378, 1964. (FRENCH), UNIVERSITY OF GHENT.

1708 BETHARD, W.F. * OLEHY, D.A. * SCHMITT, R.A.
THE USE OF NEUTRON ACTIVATION ANALYSIS FOR THE
QUANTITATION OF SELECTED CATIONS IN HUMAN BLOOD.
L ANALYSE PAR RADIOACTIVATION ET SES APPLICATIONS
AUX SCIENCES BIOLOGIQUES, PRESSES UNIVERSITAIRES
DE FRANCE, 108, BLVD. SAINT-GERMAIN, PARIS, 6E,
379-393, 1964. (ENGLISH), SAN DIEGO, CALIF.

1709 EMERY, J.F. * MULLINS, W.T. * BATE, L.C. * LEDDICOTTE, G.W.
TRACE ELEMENT DETERMINATION IN NIOBIUM AND ZIRCONIUM METAL BY RADIOACTIVATION ANALYSIS, ZIRCONIUM.
TID-7629, 239-243, OCTOBER 1961, (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE.

1710 ROSS, W.J.
COMPREHENSIVE SCHEME FOR NEUTRON-ACTIVATION ANALYSIS.
ORNL-3397, 95, 97-99 (1963), (ENGLISH), OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1711 ROSS, W.J.
DETERMINATION OF SULFUR BY NEUTRON-ACTIVATION ANALYSIS.
ORNL-3397, 100 (1963), (ENGLISH) OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1712 FITE, L.E. * STEELE, E.L. * WAINERDI, R.E. * IBERT, E. * WILKINS, W.
AN INVESTIGATION OF COMPUTER COUPLED AUTOMATIC ACTIVATION ANALYSIS AND REMOTE LUNAR ANALYSIS, CHAPTER II. CHEMISTRY APPLICATIONS.
TID-18257, 17-32, FEBRUARY 1, 1963, (ENGLISH), ACTIVATION ANALYSIS RESEARCH LABORATORY, TEXAS ENGINEERING EXPERIMENT STATION, TEXAS A AND M, COLLEGE STATION, TEXAS.

1713 BATE, L.C.
DETERMINATION OF OXYGEN IN MOLTEN-FLUORIDE SALTS BY NEUTRON-ACTIVATION ANALYSIS.
ORNL-3397, 101-102 (1963). (ENGLISH), OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1715 EMERY, J.F.
IDENTIFICATION AND COMPARISON OF DOCUMENTS FOR LAW-ENFORCEMENT PURPOSES.
ORNL-3397, 107 (1963), (ENGLISH), OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1716 DYER, F.F.
FLUX MEASUREMENTS, MEASUREMENT OF THERMAL AND RESONANCE NEUTRON FLUX BY USE OF TWO BARE MONITORS.
ORNL-3397, 108-109 (1963). (ENGLISH), OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1717 DYER, F.F.
FLUX MEASUREMENTS, QUANTITATIVE ANALYSIS OF RADIONUCLIDES IN NEUTRON-IRRADIATED STAINLESS STEEL.
ORNL-3397, 109-110 (1963), (ENGLISH), OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1718 EHMANN, W.D.
RADIOCHEMISTRY AS APPLIED TO GEOCHEMICAL PROBLEMS NEUTRON ACTIVATION ANALYSIS.
TID-4005 (PT. 2A), G-12 (1963), (ENGLISH), UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY.

1719 FISHER, D.E.
NEUTRON ACTIVATION ANALYSIS STUDIES OF IRON METEORITES.
TID-4005 (PT. 2A), G-9 (1963), (ENGLISH), CORNELL UNIVERSITY, ITHACA, N.Y.

1720 SUE, P. * ALBERT, P.
MICRODETERMINATION OF SULPHUR BY THE NUCLEAR REACTION S-32 (D,ALPHA) P-30.
COMPT. REND., 242, 2461-2462 (1956), (FRENCH), FRANCE.

1721 FITE, L.E. * STEELE, E.L. * WAINERDI, R.E. * IBERT, E. * WILKINS, W.
AN INVESTIGATION OF COMPUTER COUPLED AUTOMATIC ACTIVATION ANALYSIS AND REMOTE LUNAR ANALYSIS, CHAPTER III, A FEASIBILITY STUDY OF REMOTE LUNAR ANALYSIS.
TID-18257, 33-60, FEBRUARY 1, 1963, (ENGLISH), ACTIVATION ANALYSIS RESEARCH LABORATORY, TEXAS ENGINEERING EXPERIMENT STATION, TEXAS A AND M, COLLEGE STATION, TEXAS.

1722 SMITH, G.W. * MONGAN, D.M.
THE DETERMINATION OF THORIUM IN CERIUM MATRICES BY NEUTRON IRRADIATION USE OF THE ARGONNE PNEUMATIC FACILITY.
INTERN. J. APPL. RAD. AND ISOTOPES, 16, 81-89 (1965). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN SUMMARIES). ARGONNE NATIONAL LABORATORY, ARGONNE, ILLINOIS.

1723 ISHIHARA, M. * MUKAI, K.
INVESTIGATION OF SMALL AMOUNTS OF IMPURITIES AND
NON-METALLIC INCLUSIONS IN ALUMINIUM DURING ITS
PRODUCTION.
94TH ANNUAL MEETING OF THE AMERICAN INSTITUTE OF
MINING, METALLURGICAL AND PETROLEUM ENGINEERS,
CHICAGO, ILLINOIS, PREPRINT, 14P., FEBRUARY 14-18,
1965. (ENGLISH), NIPPON LIGHT METAL RESEARCH
LABORATORY, LTD., JAPAN.

1724 DOW CHEMICAL COMPANY
ACTIVATION ANALYSIS,
THE DOW CHEMICAL CO., QUOTE MODERN METHODS OF
RESEARCH AND ANALYSIS QUOTE, 47-49 (1961),
(ENGLISH). THE DOW CHEMICAL CO., MIDLAND,
MICHIGAN.

1725 MULLINS, W.T. * BATE, L.C. * EMERY, J.F. *
DYER, F.F. * LEDDICOTTE, G.W. * GRIMANIS, A.P.
DETERMINATION OF STABLE TRACE ELEMENTS IN
RADIOACTIVE MATERIALS,
ORNL-3397, 102-104 (1963). (ENGLISH), OAK RIDGE
NATIONAL LABORATORY, OAK RIDGE, TENN.

1726 CORLESS, J.T. * WINCHESTER, J.W.
DETERMINATION OF THE RELATIVE ISOTOPIC ABUNDANCE
OF CA-48 IN NATURAL MATERIALS BY NEUTRON
ACTIVATION ANALYSIS,
NYO-2668, 63-64 (1961), (ENGLISH). MASSACHUSETTS
INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MASS.

1727 MULLINS, W.T. * EMERY, J.F. * BATE, L.C. *
LEDDICOTTE, G.W.
APPLICATIONS OF NEUTRON-ACTIVATION ANALYSIS IN
OCEANOGRAPHY.
ORNL-3397, 105-106 (1963). (ENGLISH), OAK RIDGE
NATIONAL LABORATORY, OAK RIDGE, TENN.

1728 GRIMANIS, A.P. * LEDDICOTTE, G.W.
DETERMINATION OF ARSENIC BY NEUTRON-ACTIVATION
ANALYSIS.
ORNL-3397, 104 (1963), (ENGLISH), NUCLEAR RESEARCH
CENTER, GREEK ATOMIC ENERGY COMMISSION, ATHENS,
GREECE.

1729 GIRARDI, F. * GUZZI, G. * PAULY, J.
REACTOR NEUTRON ACTIVATION ANALYSIS BY THE SINGLE
COMPARATOR METHOD.
ANAL. CHEM., 37, 1085-1092 (1965). (ENGLISH),
SERVIZIO CHIMICA NUCLEARE, CENTRO COMUNE DI
RICERCHE EURATOM, ISPRA, VARESE, ITALY.

1730 BORN, H.J. * WILKNISS, P.
ON THE ACTIVATION ANALYSIS OF OXYGEN WITH THE HELP OF THE REACTION O-16 (T,N) F-18.
INTERN. J. APPL. RAD. AND ISOTOPES, 10, 133-136 (1961). (GERMAN). INSTITUT FUR RADIOCHEMIE, MUNCHEN, GERMANY.

1731 GEBAUHR, W.
INTERFERENCES IN THE CASE OF ACTIVATION ANALYSIS BY MEANS OF NEUTRON BOMBARDMENT.
Z. ANAL. CHEM., 185, 339-356 (1962). (GERMAN). FORSCHUNGSLABORATORIUM DER SIEMENS-SCHUCKERTWERKE AG, ERLANGEN, GERMANY.

1732 BAUMGARTNER, F. * STARK, H. * SCHONTAG, A.
ACTIVATION ANALYTICAL DETERMINATION OF ANTIMONY IN THE ANNOGRAM RANGE FOR DETERMINATION OF CHARGE DISTANCE.
Z. ANAL. CHEM., 197, 424-430 (1963). (GERMAN) (ENGLISH SUMMARY). INSTITUT FUR RADIOCHEMIE DER TECHNISCHEN HOCHSCHULE MUNCHEN, GERMANY.

1733 MADDOCK, R.S. * MEINKE, W.W.
ACTIVATION ANALYSIS, NUCLEAR CHEMICAL RESEARCH, RADIOCHEMICAL SEPARATIONS. PROGRESS REPORT NO. 11, NOVEMBER 1961-OCTOBER 1962.
TID-17272, 129P., NOVEMBER 1, 1962. (ENGLISH). UNIVERSITY OF MICHIGAN, ANN ARBOR, MICH.

1734 GOMEZ, H. * BARO, G.B.
NEUTRON ACTIVATION ANALYSIS OF ARSENIC IN HUMAN HAIRS AND FINGER NAILS.
CONF-313-6, SOCIETY FOR APPLIED SPECTROSCOPY, 2ND NATIONAL MEETING, SAN DIEGO, CALIFORNIA, 6P., OCTOBER 14-18, 1963. (ENGLISH). ATOMIC ENERGY COMMISSION, ARGENTINA.

1735 ADAMS, F. * DE SOETE, D. * HOSTE, J.
PEIRSON AND SUM-COINCIDENCE SPECTROMETRY APPLIED TO MOTIVATION ANALYSIS.
CONF-313-7, SOCIETY FOR APPLIED SPECTROSCOPY, 2ND NATIONAL MEETING, SAN DIEGO, CALIFORNIA, 17P., OCTOBER 14-18, 1963. (ENGLISH). LABORATORY FOR ANALYTICAL CHEMISTRY, GHENT UNIVERSITY, BELGIUM.

1736 JERVIS, R.E.
INSTRUMENTAL ACTIVATION ANALYSIS FOR IDENTIFICATION OF FORENSIC SPECIMENS,
CONF-313-8, SOCIETY FOR APPLIED SPECTROSCOPY, 2ND NATIONAL MEETING, SAN DIEGO, CALIFORNIA, 24P., OCTOBER 14-18, 1963, (ENGLISH), DEPARTMENT OF CHEMICAL ENGINEERING AND APPLIED CHEMISTRY, UNIVERSITY OF TORONTO, TORONTO, CANADA.

1737 PERKONS, A.K. * HUMMEL, R.L. * JERVIS, R.E.
COMPUTER ANALYSIS OF COMPLEX GAMMA-RAY SPECTRA,
CONF-313-9, SOCIETY FOR APPLIED SPECTROSCOPY, 2ND NATIONAL MEETING, SAN DIEGO, CALIFORNIA, 15P., OCTOBER 14-18, 1963, (ENGLISH), UNIVERSITY OF TORONTO, TORONTO, CANADA.

1738 HULL, D.E. * GILMORE, J.T.
PRACTICAL COMPUTER ROUTINES FOR NEUTRON ACTIVATION ANALYSIS.
CONF-313-10, SOCIETY FOR APPLIED SPECTROSCOPY, 2ND NATIONAL MEETING, SAN DIEGO, CALIFORNIA, 35P., OCTOBER 14-18, 1963, (ENGLISH), CALIFORNIA RESEARCH CORPORATION, RICHMOND, CALIF.

1739 BURNS, F.
FAST NEUTRON ACTIVATION VS. VACUUM FUSION ANALYSIS FOR OXYGEN IN METALS,
CONF-313-11, SOCIETY FOR APPLIED SPECTROSCOPY, 2ND NATIONAL MEETING, SAN DIEGO, CALIFORNIA, 9P., OCTOBER 14-18, 1963, (ENGLISH), USA.

1740 BURLEY, H.A.
NUCLEAR TECHNIQUES FOR PRODUCT IMPROVEMENT,
CONF-464-1, NEW YORK SOCIETY OF AUTOMOTIVE ENGINEERS, DETROIT, 828A, 8P., MARCH 30-APRIL 3, 1964, (ENGLISH), RESEARCH LABORATORIES, GENERAL MOTORS CORP.

1741 DUGAIN, F.
DETERMINATION OF VERY SMALL AMOUNTS OF SCANDIUM AND COBALT IN S.R. GRADE BERYLLIUM BY NEUTRON ACTIVATION AND GAMMA SPECTROSCOPY.
CONF-524-8, AMERICAN INSTITUTE OF MINING, METALLURGICAL AND PETROLEUM ENGINEERS ANNUAL MEETING, NEW YORK, 16P., FEBRUARY 16-20, 1964, (ENGLISH), COMPAGNIE PECHINEY, GRENOBLE, FRANCE

1742 SAITO, K. * NOZAKI, T, * TANAKA, S, * FURUKAWA, M. * CHENG, H.
RADIOACTIVATION ANALYSIS OF OXYGEN IN HIGH-PURITY SILICON BY IRRADIATION WITH ALPHA-PARTICLES.
INTERN. J. APPL. RAD. AND ISOTOPES, 14, 357-363 (1963). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN SUMMARIES). INSTITUTE FOR NUCLEAR STUDY, THE UNIVERSITY OF TOKYO, TANASHI, TOKYO, JAPAN.

1743 PIJCK, J.
RADIOACTIVATION DETERMINATION OF METALS IN HOMEOPATHIC PREPARATIONS, GOLD.
J. PHARM. BELG., 17, 323-330 (1962), (FRENCH) (ENGLISH SUMMARY), UNIVERSITY OF GHENT.

1744 PIJCK, J.
RADIOACTIVATION DETERMINATION OF METALS IN HOMEOPATHIC PREPARATIONS, MANGANESE.
J. PHARM. BELG., 17, 210-217 (1962), (FRENCH) (ENGLISH SUMMARY), UNIVERSITY OF GHENT.

1745 PIJCK, J.
RADIOACTIVATION DETERMINATION OF METALS IN HOMEOPATHIC PREPARATIONS, ZINC.
J. PHARM. BELG., 17, 203-209 (1962), (FRENCH) (ENGLISH SUMMARY), UNIVERSITY OF GHENT.

1746 TUCKERMAN, M.M. * BATE, L.C. * LEDDICOTTE, G.W.
DETERMINATION OF TRACE ELEMENTS IN DRUGS BY NEUTRON ACTIVATION ANALYSIS.
J. PHARM. SCI., 53, 983-984 (1964), (ENGLISH), OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1747 BLOMSTRAND, R, * NAKAYAMA, F.
NEUTRON ACTIVATION PAPER CHROMATOGRAPHIC ANALYSIS OF HUMAN CEREBROSPINAL FLUID.
J. NEUROCHEM., 8, 230-233 (1961), (ENGLISH) SWEDISH MEDICAL RESEARCH COUNCIL, UNIT FOR BIOCHEMICAL RESEARCH ON ATHEROSCLEROSIS, UNIVERSITY OF LUND, SWEDEN.

1748 PIJCK, J. * RUTTINK, J. * CLAEYS, A.
THE DETERMINATION OF TRACE QUANTITIES OF COPPER IN BIOLOGICAL MATERIAL BY RADIOACTIVATION ANALYSIS.
J. PHARM. BELG., 16, 207-216 (MAY-JUNE 1961), (ENGLISH), UNIVERSITY OF GHENT.

1749 PIJCK, J. * KIM, J.I.
RADIOACTIVATION DETERMINATION OF TRACE ELEMENTS IN THE SHINSENG RADIX.
J. PHARM. BELG., 19, 3-18 (1964). (FRENCH) (ENGLISH SUMMARY). UNIVERSITY OF GHENT.

1750 SMITH, E.M. * MOZLEY, J.M. * WAGNER, H.N., JR.
DETERMINATION OF PROTEIN-BOUND IODINE (PBI) IN HUMAN PLASMA BY THERMAL NEUTRON ACTIVATION ANALYSIS.
J. NUCL. MED., 5, 828-839 (1964). (ENGLISH). JOHNS HOPKINS UNIVERSITY, BALTIMORE, MARYLAND.

1751 RAKOVIC, M. * TALPOVA, H.
DETERMINATION OF SODIUM IN BIOLOGICAL FLUIDS BY NEUTRON ACTIVATION ANALYSIS.
CHEM. ZVESTI, 18, 750-755 (1964). (CZECH) (RUSSIAN AND GERMAN SUMMARIES). KATEDRA LEKARSKE FYZIKY A NUKLEARNI MEDICINY, FAKULTA VSEOBECNEHO LEKARSTVI, KARLOVA UNIVERSITA, PRAHA.

1752 RAKOVIC, M. * TALPOVA, H.
NONDESTRUCTIVE DETERMINATION OF PHOSPHORUS IN DIFFERENT SORTS OF ANIMAL TISSUES BY MEANS OF NEUTRON ACTIVATION ANALYSIS.
CHEM. ZVESTI, 18, 669-675 (1964). (CZECH) (RUSSIAN AND GERMAN SUMMARIES). KATEDRA LEKARSKE FYZIKY A NUKLEARNI MEDICINY, FAKULTA VSEOBECNEHO LEKARSTVI KARLOVY UNIVERSITY, PRAHA.

1753 VERNIN, E. * PERDIJON, J.
OPTIMUM OPERATING CONDITIONS FOR THE NEUTRON GENERATOR. FINAL REPORT.
EUR-3210.F., VOL. 3, 34P., JUNE 1967. (FRENCH). SOCIETE ANONYME DE MACHINES ELECTROSTATIQUES, GRENOBLE, FRANCE.

1754 TOLGYESSY, J. * POPOV, C.P. * STEFANOV, G.I. * TOMOV, T.T.
NON-DESTRUCTIVE DETERMINATION OF IN IN METALLIC ALLOYS BY NEUTRON ACTIVATION ANALYSIS USING PO AND BE NEUTRON SOURCES.
CHEM. ZVESTI, 18, 48-55 (1964). (CZECH) (RUSSIAN AND GERMAN SUMMARIES). KATEDRA RADIOCHEMIE A RADIACNEJ CHEMIE SLOVENSKEY VYSOKEJ SKOLY TECHNICKEJ, BRATISLAVA.

1755 GIRARDI, F. * GUZZI, G. * PAULY, J.
DATA HANDBOOK FOR SENSITIVITY CALCULATIONS IN
NEUTRON ACTIVATION ANALYSIS.
EUR 1898.E, 19P., W/TABLES, 1965, (ENGLISH), JOINT
NUCLEAR RESEARCH CENTER, ISPRA ESTABLISHMENT,
ITALY.

1756 NUCLEAR APPLICATIONS CONFERENCE
A PARTIAL BIBLIOGRAPHY OF LITERATURE ON NEUTRON
ACTIVATION ANALYSIS,
NUCLEAR APPLICATIONS TO THE WOOD, PAPER, AND PULP
INDUSTRIES CONFERENCE, 141-145 (1964), (ENGLISH),
USA.

1757 CASSATT, W.
THE APPLICATIONS OF NUCLEAR ACTIVATION ANALYSIS,
NUCLEAR APPLICATIONS TO THE WOOD, PAPER, AND PULP
INDUSTRIES CONFERENCE, 7-19 (1964), (ENGLISH),
WASHINGTON STATE UNIVERSITY, PULLMAN, WASH.

1758 HINOSHITA AND SUJI
ACTIVATION OF INDIUM WITH A RADIUM-BERYLLIUM
NEUTRON SOURCE.
CEA-TR-X-506, 17P., 1963, (FRENCH TRANSLATION)
(TRANSLATED FROM NIPPON KAGAKU ZASSHI, 81,
1087-1090 - INCLUDES ORIGINAL 4P., IN JAPANESE),
JAPAN.

1759 DUGAIN, F. * LAVERLOCHERE, J.
DETERMINATION OF VERY SMALL AMOUNTS OF TANTALUM IN
NIOBIUM BY USING NEUTRON ACTIVATION AND GAMMA
SPECTROSCOPY.
(CONF-151-5), FROM 19TH INTERNATIONAL UNION OF
PURE AND APPLIED CHEMISTRY CONGRESS, LONDON, 14P.,
JUNE 1963, (ENGLISH), COMPAGNIE PECHINEY,
GRENOBLE, FRANCE.

1760 SCHMIED, H. * BERGAMIN, U.
EXPERIENCE IN THE FIELD OF ACTIVATION ANALYSIS.
NEUE TECH., 5, 732-744 (1963), (GERMAN) (FRENCH
AND ENGLISH SUMMARIES), LABORATORIUM DER AG BROWN
BOVERI AND CO., BADEN, GERMANY.

1761 STERLINSKI, S. * MALINOWSKI, J.
GAMMA-RAY SPECTROMETRIC DETERMINATION OF TRACE
AMOUNT OF CESIUM IN SODIUM AND POTASSIUM SALTS (ON
BASIS OF THE ACTIVITY OF CS-134, HALF LIFE OF 2.07
YEAR).
NUKLEONIKA, 7, 693-702 (1962), (POLISH) (ENGLISH
SUMMARY), INSTITUTE OF NUCLEAR RESEARCH, POLISH
ACADEMY OF SCIENCES, WARSAW, POLAND.

1762 TSELYSCHEV, S, * MOGILYOVKIN, V,
APPLICATION OF NEUTRON-ACTIVATION ANALYSES TO
DETERMINATION OF PHOSPHORUS MICROQUANTITY IN
BIOCHEMICAL OBJECTS,
IZV, TIMIRYAZEV, SEL SKOKHOZ, AKAD,, NO, 4, 79-95
(1962), (RUSSIAN) (ENGLISH SUMMARY), RUSSIA,

1763 ALIMARIN, I,P, * PEREZHOGIN, G,A,
DETERMINATION OF TRACES OF GOLD BY A
RADIOACTIVATION METHOD USING SUBSTOICHIOMETRIC
SEPARATION,
Z, ANALIT, KHIM,, 20, NO, 1, 48-54 (1965),
(RUSSIAN) (ENGLISH SUMMARY), V,I, VERNADSKY
INSTITUTE OF GEOCHEMISTRY AND ANALYTICAL
CHEMISTRY, USSR ACADEMY OF SCIENCES, MOSCOW,
RUSSIA,

1764 CHEPEL, L,V, * SHEMAROV, F,V,
THE DETERMINATION OF FLUORINE AND CHLORINE IN
POLYMERS BY A GAMMA ACTIVATED METHOD,
DOKL, AKAD, NAUK SSSR, 158, 682-684 (1964),
(RUSSIAN), RUSSIA,

1765 OKA, Y, * KATO, T, * SASAKI, M,
ACTIVATION ANALYSIS OF ZIRCONIUM IN
ZIRCONIUM-HAFNIUM MIXTURE,
NIPPON KAGAKU ZASSHI, 84, 588-592 (1963),
(JAPANESE), JAPAN,

1766 BRUNE, D, * SAMSAHL, K, * WESTER, P,O,
DETERMINATION OF ELEMENTS IN MILLI-, MICRO- AND
SUBMICROGRAM QUANTITIES IN HUMAN WHOLE BLOOD BY
NEUTRON ACTIVATION ANALYSIS,
ATOMPRAXIS, 9, 368-373 (1963), (ENGLISH),
CHEMISTRY DEPARTMENT, AB ATOMENERGI, STOCKHOLM,
SWEDEN,

1767 FRISCHAUF, H, * ALTMANN, H, * STEHLIK, G,
INVESTIGATIONS ON THE TRACE ELEMENT CONTENT OF
LEUCOCYTES BY MEANS OF NEUTRON ACTIVATION
ANALYSIS,
PROCEEDINGS OF THE 9TH CONGRESS OF THE EUROPEAN
SOCIETY OF HAEMATOLOGY, LISBON, PORTUGAL, AUGUST
26-31, 1963, VOLUME I, 234-239, BASEL, VERLAG S,
KARGER, AG, 1963, (ENGLISH), I, MEDIZ, UNIV,
KLINIK, VIENNA, AUSTRIA,

1768 STEINNES, E,
ACTIVATION ANALYSIS, METHODS AND POSSIBILITIES.
TIDSSKR. KJEMI, BERGVESEN MET,, 25, NO. 11,
245-250 (1965). (NORWEGIAN) (ENGLISH SUMMARY).
INSTITUTT FOR ATOMENERGI, KJELLER, NORWAY,

1769 KIST, A,A, * ZVYAGINA, L,S, * LOBANOV, E,M, *
SVIRIDOVA, A,I, * MOSKOVTSEVA, G, * ZVYAGIN, V,I.
ACTIVATION ANALYSIS OF COPPER AND MANGANESE IN
BIOLOGICAL OBJECTS,
IZV, AKAD, NAUK UZ, SSR, SER, FIZ, MAT, NAUK, 8,
77-80 (1964), (RUSSIAN), INSTITUTE OF NUCLEAR
PHYSICS, ACADEMY OF SCIENCES, UZBEK SSR, RUSSIA,

1770 VODOPIVEC, F,
THE USE OF IRRADIATION FOR QUANTITATIVE TESTS OF
IRON SURFACE ENRICHMENT BY ARSENIC.
TEHNIKA (BELGRADE), 18, 25-31 (1963).
(SERBO-CROATIAN), METALLURGICAL INSTITUTE,
LJUBLJANI, YUGOSLAVIA,

1771 STEVANCEVIC, D.
RADIOACTIVATION ANALYSIS,
TEHNIKA, 18, 2197-2204 (1963), (SERBO-CROATIAN)
(ENGLISH SUMMARY), INSTITUTA ZA NUKLEARNE NAUKE,
BORIS KIDRIC, BEOGRAD, VINCA,

1772 TEXACO DEVELOPMENT CORPORATION
IMPROVEMENTS IN OR RELATING TO RADIOACTIVE WELL
LOGGING,
BRITISH PATENT 948,310. JANUARY 29, 1964,
(ENGLISH), TEXACO DEVELOPMENT CORPORATION,
DELAWARE,

1773 TAYLOR, D,
NUCLEONICS AND INDUSTRY,
IND, ELECTRON,, 1, NO, 1, 18-21 (1962). (ENGLISH),
PLESSEY NUCLEONICS LTD,, NORTHAMPTON, ENGLAND,

1774 NASCUTIU, T,
ANALYSIS OF INORGANIC COMPOUNDS BY RADIOACTIVATION
ON CHROMATOGRAPHIC PAPER, II, THORIUM AND RARE
EARTHS,
STUDII CERCETARI CHIM,, 12, 283-288 (1964).
(HUNGARIAN), INSTITUTE FOR ATOMIC PHYSICS,
BUCHAREST,

1775 MORRISON, G.H.
EXTENSION OF SENSITIVITY IN TRACE ELEMENT ANALYSIS.
QUOTE ANALYTICAL CHEMISTRY QUOTE, WEST, MCDONALD AND WEST, EDITORS, 320-327 (1962). (ENGLISH), CORNELL UNIVERSITY, ITHACA, N.Y.

1776 MARMIER, P.
METHODS OF NUCLEAR PHYSICS IN PHYSIOLOGY.
ARCH. GES. PHYSIOL., 273, 111-119 (1961), (GERMAN), LABORATORIUM FUR KERNPHYSIK DER EIDGENOSSISCHE TECHNISCHEN HOCHSCHULE ZURICH.

1777 FRIEDLANDER, G. * KENNEDY, J.W. * MILLER, J.M.
TRACERS IN CHEMICAL APPLICATIONS, ANALYTICAL APPLICATIONS.
NUCLEAR AND RADIOCHEMISTRY, SECOND EDITION, JOHN WILEY AND SONS, INC., N.Y., 208-209, 1964, (ENGLISH), BROOKHAVEN NATIONAL LABORATORY, UPTON, N.Y.

1778 ENGELMANN, C.
USE OF PARTICLES OTHER THAN NEUTRONS IN ACTIVATION ANALYSIS.
CEA-R 2559, 89P., 1964. (FRENCH) (ENGLISH SUMMARY). CENTRE D ETUDES NUCLEAIRES DE SACLAY, FRANCE.

1779 GIRARDI, F. * GUZZI, G. * LEY, J.
USE OF RADIOISOTOPES HAVING COMPLEX FORMATION AND DECAY SCHEMES IN ACTIVATION ANALYSIS.
EUR-467.F, 32P., 1963. (FRENCH) (ENGLISH SUMMARY), EUROPEAN ATOMIC ENERGY COMMUNITY, NUCLEAR RESEARCH CENTER, ISPRA, ITALY.

1780 SATO, R. * NORRIS, W.P.
DETERMINATION OF NA AND P IN BONE BY NEUTRON ACTIVATION ANALYSIS.
ANL-4531, 153-155 (1950), (ENGLISH), ARGONNE NATIONAL LABORATORY, ARGONNE, ILLINOIS.

1781 MERLINI, M.
THE USE OF RADIOACTIVATION ANALYSIS IN BIOLOGY.
EUR-128.I, 27P., 1962. (ITALIAN) (ENGLISH SUMMARY). EUROPEAN ATOMIC ENERGY COMMUNITY, NUCLEAR RESEARCH CENTER, ISPRA, ITALY.

1782 AMIEL, S. * JULIANO, J.O.
RAPID AND NON-DESTRUCTIVE ANALYSIS OF SULFUR AND CALCIUM BY RADIOACTIVATION AND PHOTONEUTRON COUNTING.
IA-933, 24P., MAY 1964. (ENGLISH). ISRAEL ATOMIC ENERGY COMMISSION, SOREQ RESEARCH ESTABLISHMENT, REHOVOTH.

1783 GREENWOOD, R.C. * REED, J.H.
THE POTENTIAL APPLICATION OF NEUTRON-CAPTURE-GAMMA-RAY ANALYTICAL TECHNIQUES TO REACTOR MATERIALS.
TRANS. AM. NUCL. SOC., 6, 176 (1963). (ENGLISH). ARMOUR RESEARCH FOUNDATION, CHICAGO, ILLINOIS.

1785 GREENWOOD, R.C. * REED, J.H. * KOLAR, R.D. * TERRELL, C.W.
USE OF NEUTRON-CAPTURE GAMMA RAYS FOR A LUNAR-SURFACE COMPOSITIONAL ANALYSIS.
TRANS. AM. NUCL. SOC., 6, 179-180 (1963). (ENGLISH). ARMOUR RESEARCH FOUNDATION, CHICAGO, ILLINOIS.

1786 BENSON, P.A. * GLEIT, C.E.
EXTENSION OF NEUTRON ACTIVATION ANALYSIS TO 10 TO THE MINUS 9 GRAM SAMPLES.
TRANS. AM. NUCL. SOC., 6, 181 (1963). (ENGLISH). TRACERLAB INC., RICHMOND, CALIF.

1787 CLARK, L., JR. * RASMUSSEN, N.C.
PROMPT ACTIVATION ANALYSIS FOR BORON AND LITHIUM.
TRANS. AM. NUCL. SOC., 6, 182 (1963). (ENGLISH). MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MASS.

1788 MOLINSKI, V.J. * WAHL, W.H. * STRAIN, W.H.
ANALYSIS OF VANADIUM IN MILK POWDER BY NEUTRON-ACTIVATION ANALYSIS USING A RAPID RADIOCHEMICAL SEPARATION OF 3.77-MINUTE VANADIUM-52.
TRANS. AM. NUCL. SOC., 6, 398 (1963). (ENGLISH). OAK RIDGE GASEOUS DIFFUSION PLANT, OAK RIDGE, TENN.

1789 MILLER, W.P. * NEWCOMB, J.C.
INVESTIGATION OF GASOLINE-ENGINE WEAR BY THE NEUTRON-ACTIVATION TECHNIQUE.
TREND ENG. UNIV. WASH., 16, 5-7 (1964). (ENGLISH). NUCLEAR REACTOR LABORATORIES. UNIVERSITY OF WASHINGTON.

1790 NOSTRAND, J.W., JR. * KRAMER, H.H.
COMPUTER INTEGRATED ACTIVATION,
INSTRUMENT SOCIETY OF AMERICA, PREPRINT 2.4-2.64
(CONF-701-8), 8P., OCTOBER 12-15, 1964.
(ENGLISH). UNION CARBIDE CORPORATION, NUCLEAR
DIVISION, TUXEDO, N.Y.

1791 NASS, H.W.
ACTIVATION ANALYSIS WITH THE MICHIGAN REACTOR,
APPLICATION TO MICHIGAN PROBLEMS,
11TH DETROIT ANACHEM CONFERENCE, DETROIT, MICHIGAN
(CONF-138-1), 8P., OCTOBER 21-23, 1963. (ENGLISH),
UNIVERSITY OF MICHIGAN, ANN ARBOR, MICH.

1792 VAN DEN BROEK, S.E.
ACTIVATION ANALYSIS AS A TOOL FOR INDUSTRY AND
RESEARCH,
NUCL. ENERGY, 36-38 (FEBRUARY 1964), (ENGLISH),
GRAVINER (GOSPORT), LTD.

1793 FISHER, D.E.
NON-DESTRUCTIVE ACTIVATION ANALYSIS OF METEORITES,
METEORITICS, 2, 137-139 (1964), (ENGLISH), CORNELL
UNIVERSITY, ITHACA, N.Y.

1794 NETZEL, D.A. * STANLEY, C.W. * RATHBURN, D.W.
A NEUTRON ACTIVATION METHOD FOR SOIL REMOVAL
MEASUREMENT,
AMERICAN OIL CHEMISTS SOCIETY 37TH ANNUAL FALL
MEETING, MINNEAPOLIS, MINNESOTA, (CONF-371-1),
18P., SEPTEMBER 30-OCTOBER 2, 1963, (ENGLISH),
MIDWEST RESEARCH INSTITUTE, KANSAS CITY, MISSOURI.

1795 PRUSSIN, S.G. * HARRIS, J.A. * HOLLANDER, J.M.
APPLICATION OF LITHIUM-DRIFTED GERMANIUM GAMMA-RAY
DETECTORS TO NEUTRON ACTIVATION ANALYSIS
NON-DESTRUCTIVE ANALYSIS OF ALUMINUM,
ANAL. CHEM., 37, 1127-1132 (1965). (ENGLISH),
LAWRENCE RADIATION LABORATORY, BERKELEY, CALIF.

1796 STRAIN, J.E. * LEDDICOTTE, G.W. * DYER, F.F. *
EMERY, J.F. * RATE, L.C. * ROSS, W.J. *
MULLINS, W.T.
THE USE OF NEUTRONS IN ANALYSIS,
1961 USBM SYMPOSIUM, RENO, NEVADA, 29P., SEPTEMBER
19-22, 1961, (ENGLISH). OAK RIDGE NATIONAL
LABORATORY, OAK RIDGE, TENN

1797 SAMSAHL, K. * BRUNE, D. * WESTER, P.O.
SIMULTANEOUS DETERMINATION OF 30 TRACE ELEMENTS IN CANCEROUS AND NON-CANCEROUS HUMAN TISSUE SAMPLES BY GAMMA-RAY SPECTROMETRY.
AE-124, 25P., OCTOBER 1963, (ENGLISH),
AKTIEBOLAGET ATOMENERGI, STOCKHOLM.

1798 MARTIN, T.C. * MATHUR, S.C.
INTERIM TECHNICAL REPORT (ON NUCLEAR TECHNIQUES IN COAL ANALYSIS) FOR PERIOD ENDING JANUARY 31, 1963,
TID-18883, 30P., 27 FEBRUARY 1963, (ENGLISH),
TEXAS NUCLEAR CORP., AUSTIN, TEXAS.

1799 LOWMAN, J.T. * KRIVIT, W.
NEW IN VIVO TRACER METHOD WITH THE USE OF NONRADIOACTIVE ISOTOPES AND ACTIVATION ANALYSIS.
J. LAB. CLIN. MED., 61, 1042-1048 (1963),
(ENGLISH). UNIVERSITY OF MINNESOTA, MINNEAPOLIS, MINNESOTA.

1800 SOREMARK, R. * BERGMAN, B.
GAMMA-RAY SPECTROMETRIC ANALYSIS OF SOME MICRO ELEMENTS IN HUMAN MANDIBULAR COMPACT BONE.
ACTA ISOTOPICA, 2, 5-19 (1962), (ENGLISH).
BIOPHYSICS LABORATORY, THE DEPARTMENT OF PROSTHETICS, THE ROYAL SCHOOL OF DENTISTRY, STOCKHOLM, SWEDEN.

1801 SMITH, G.W. * SANTELLI, D.J. * FIESS, H.
THE NEUTRON ACTIVATION DETERMINATION OF LITHIUM IN THE PRESENCE OF ALKALI METALS AND MAGNESIUM.
ANAL. CHIM. ACTA, 33, 1-12 (1965), (ENGLISH)
(FRENCH AND GERMAN SUMMARIES), CHEMICAL ENGINEERING DIVISION, ARGONNE NATIONAL LABORATORY, ARGONNE, ILLINOIS.

1802 VOIGT, A.F. * CLARK, R.G. * STENSLAND, W.A.
ACTIVATION ANALYSIS WITH 14 MEV NEUTRONS.
IS-900, SECT. C, 59-60, 1964, (ENGLISH), AMES LABORATORY, AMES, IOWA.

1803 VOIGT, A.F. * HUNT, L.P. * JACOBSON, E.C. * JEWETT, G.L. * MASON, R.S. * PALINO, G.F. * WECHTER, M.A.
ACTIVATION ANALYSIS WITH THERMAL NEUTRONS.
IS-900, SECT. C, 60-62, 1964, (ENGLISH), AMES LABORATORY, AMES, IOWA.

1804 BRAMLITT, E.T.,
HEAVY WATER ORGANIC COOLED REACTOR, DETERMINATION OF TOTAL OXYGEN IN AL-AL SUB 2 0 SUB 3 ALLOYS BY FAST NEUTRON ACTIVATION ANALYSIS,
AI-CE-74, 27P., AUGUST 15, 1967, (ENGLISH),
ATOMICS INTERNATIONAL, CANOGA PARK, CALIF.

1805 SOUBEYRAND, R.
APPLICATION TO RADIOACTIVATION ANALYSIS TO DETERMINATION OF MANGANESE IN WHEAT,
NP-16798, 35P., JULY 12, 1965, (FRENCH), FACULTE DES SCIENCES, UNIVERSITE DE GRENOBLE, FRANCE.

1806 UNIVERSITY OF WASHINGTON
ANNUAL REPORT ON NUCLEAR PHYSICS, JUNE 1967,
RLO-1388-23, 114P., JUNE 1967, (ENGLISH),
UNIVERSITY OF WASHINGTON, NUCLEAR PHYSICS LABORATORY, SEATTLE, WASHINGTON,

1807 BOWEN, H.J.M. + GIBBONS, D.
RADIOACTIVATION ANALYSIS,
QUOTE RADIOACTIVATION ANALYSIS QUOTE, NEW YORK, OXFORD UNIVERSITY PRESS, 300P., 1963, (ENGLISH),
WANTAGE RESEARCH LABORATORY, AERE, WANTAGE, BERKS, ENGLAND,

1808 BURRILL, E.A. + GALE, A.J.
ACTIVATION ANALYSIS WITH VAN DE GRAAFF NEUTRON SOURCES,
NP-13762, 12P., NOVEMBER 1961, (ENGLISH), HIGH VOLTAGE ENGINEERING CORP., BURLINGTON, MASS.

1809 WAINERDI, R.E. + FITE, L.E. + GIBBONS, D. + WILKINS, W.W. + JIMENEZ, P. + DREW, D.
THE DESIGN AND USE OF AN ADVANCED, INTEGRATED AUTOMATIC SYSTEM AND COMPUTER PROGRAM FOR NUCLEAR ACTIVATION ANALYSIS,
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. II, 149-159 (1965), (ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES), ACTIVATION ANALYSIS RESEARCH LABORATORY AND DATA PROCESSING CENTER, TEXAS A AND M UNIVERSITY, COLLEGE STATION, TEXAS.

1810 MEINKE, W.W.
THE PLACE OF RADIOCHEMICAL METHODS OF ANALYSIS --
TODAY AND TOMORROW,
QUOTE RADIOCHEMICAL METHODS OF ANALYSIS QUOTE,
IAEA VIENNA, VOL. I, 13-20, 1965, (ENGLISH)
(FRENCH, RUSSIAN AND SPANISH SUMMARIES),
ANALYTICAL CHEMISTRY DIVISION, NATIONAL BUREAU OF
STANDARDS, WASHINGTON, D.C.

1811 AMIEL, S. * NIR, A.
ANALYSIS OF OXYGEN-18 BASED ON THE REACTION O-18
(ALPHA,N) NE-21,
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA,
VOL. I, 287-294 (1965), (ENGLISH) (FRENCH, RUSSIAN
AND SPANISH SUMMARIES), ISOTOPE DEPARTMENT, THE
WEIZMANN INSTITUTE OF SCIENCE, REHOVOTH, ISRAEL,

1812 BUTLER, J.R. * THOMPSON, A.J.
DIFFERENT VALUES FOR CAESIUM IN G-1,
GEOCHIM. COSMOCHIM. ACTA, 26, 1349-1350 (DEC.
1962), (ENGLISH), PURE GEOCHEMISTRY SECTION,
DEPARTMENT OF GEOLOGY, IMPERIAL COLLEGE, SOUTH
KENSINGTON, LONDON, ENGLAND,

1813 FISHER, D.E. * CURRIE, R.L.
INSTRUMENTAL ACTIVATION ANALYSIS OF METEORITES
INVOLVING BOTH THERMAL AND FAST NEUTRONS,
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA,
VOL. I, 217-228 (1965), (ENGLISH) (FRENCH, RUSSIAN
AND SPANISH SUMMARIES), NUCLEAR REACTOR
LABORATORY, CORNELL UNIVERSITY, ITHACA, N.Y.

1814 AUMANN, D.C. * BORN, H.J.
DETERMINATION OF OXYGEN-18 ABUNDANCE IN HYDROGEN
CONTAINING SUBSTANCES BY NEUTRON IRRADIATION,
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA,
VOL. I, 229-242 (1965), (ENGLISH) (FRENCH, RUSSIAN
AND SPANISH SUMMARIES), INSTITUT FUR RADIOCHEMIE,
TECHNISCHE HOCHSCHULE MUNCHEN, MUNICH FEDERAL
REPUBLIC OF GERMANY,

1815 GIBBONS, D. * MC CABE, W.J. * OLIVE, G.
THE APPLICATION OF 14 MEV NEUTRON ACTIVATION
ANALYSIS TO THE MEASUREMENT OF ADDITIVES IN
LUBRICATING OIL,
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA,
VOL. I, 297-322 (1965), (ENGLISH) (FRENCH, RUSSIAN
AND SPANISH SUMMARIES), WANTAGE RESEARCH
LABORATORY, AERE, WANTAGE, BERKS., ENGLAND,

1816 ENGELMANN, C.
DETERMINATION OF OXYGEN, CARBON, NITROGEN AND CERTAIN OTHER IMPURITIES IN BERYLLIUM, CALCIUM, SODIUM, AND BORON BY GAMMA-RAY ACTIVATION,
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. I, 341-359 (1965). (FRENCH) (ENGLISH, RUSSIAN AND SPANISH SUMMARIES), CENTRE D ETUDES NUCLEAIRES, SACLAY, FRANCE.

1817 COULOMB, R. * SCHILTZ, J.C.
USE OF PAPER CHROMATOGRAPHY AND COMPUTERS IN NEUTRON ACTIVATION, APPLICATION TO ROUTINE QUANTITATIVE ANALYSIS OF TRACE ELEMENTS IN GEOLOGIC MATERIALS.
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. II, 177-191 (1965), (FRENCH) (ENGLISH, RUSSIAN AND SPANISH SUMMARIES), CENTRE D ETUDES NUCLEAIRES, FONTENAY-AUX-ROSES, FRANCE.

1818 MAY, S. * PICCOT, D.
QUANTITATIVE DETERMINATION OF CALCIUM, SILICIUM, SULPHUR AND PHOSPHOROUS IN NUCLEAR GRAPHITES BY ACTIVATION ANALYSIS,
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. I, 137-152 (1965), (FRENCH) (ENGLISH RUSSIAN AND SPANISH SUMMARIES), CENTRE D ETUDES NUCLEAIRES DE SACLAY, FRANCE.

1819 AUBOUIN, G. * JUNOD, E. * LAVERLOCHERE, J.
THE USE OF AN ELECTRONIC COMPUTER IN DETERMINING SODIUM, CHLORINE, MANGANESE AND COPPER IN TERPHENYLS BY ACTIVATION,
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. II, 161-176 (1965), (FRENCH) (ENGLISH, RUSSIAN AND SPANISH SUMMARIES), CENTRE DE ETUDES NUCLEAIRES, GRENOBLE, FRANCE.

1820 RUZICKA, J. * ZEMAN, A. * STARY, J.
SUBSTOICHIOMETRY IN ACTIVATION ANALYSIS AND ISOTOPE DILUTION AND ITS USE FOR DETERMINATION OF TRACE OF IRON.
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. II, 311-320 (1965), (ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES), DEPARTMENT OF NUCLEAR CHEMISTRY, FACULTY OF TECHNICAL AND NUCLEAR PHYSICS, PRAGUE, CZECHOSLOVAKIA.

1821 SPENKE, H. * CLESS-BERNERT, T. * KARLIK, B. DETERMINATION OF BORON IN STEEL BY NEUTRON ACTIVATION DEPRESSION. RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. I, 197-203 (1965). (ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES). OSTERREICHISCHE STUDIENGESELLSCHAFT FUR ATOMENERGIE, INSTITUT FUR RADIUMFORSCHUNG UND KERNPHYSIK, VIENNA, AUSTRIA.

1822 COMANESCU, V. * ONCESCU, M. * SANDRU, P. * TOPA, A. DEVELOPMENT AND TESTING OF AN ELECTRODE FOR NEUTRON-NEUTRON AND NEUTRON-GAMMA RADIOACTIVE LOGGING. REV.PHYS., ACAD. REP. POPULAIRE ROUMAINE, 7, 455-465 (1962). (ENGLISH). INSTITUTE FOR ATOMIC PHYSICS, BUCHAREST.

1823 ENGELMANN, C. ACTIVATION ANALYSIS OF SOME LIGHT ELEMENTS IN VARIOUS MATERIALS USING CHARGED PARTICLES (ALPHA AND P). RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. I, 405-418 (1965). (FRENCH) (ENGLISH, RUSSIAN AND SPANISH SUMMARIES). CENTRE D ETUDES NUCLEAIRES, SACLAY, FRANCE.

1824 COMAR, D. * LEPOEC, C. THE USE OF ION-EXCHANGE RESINS FOR RAPID CHEMICAL SEPARATION IN ACTIVATION ANALYSIS DETERMINATION OF IODINE IN BIOLOGICAL FLUIDS. RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. II, 15-24 (1965). (FRENCH) (ENGLISH, RUSSIAN AND SPANISH SUMMARIES). SERVICE HOSPITALIER FREDERIC JOLIOT, ORSAY, FRANCE.

1825 HOUTMAN, J.P.W. * TURKSTRA, J. NEUTRON ACTIVATION ANALYSIS AND ITS POSSIBLE APPLICATION FOR AGE DETERMINATION OF PAINTINGS. RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. I, 85-103 (1965). (ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES). REACTOR INSTITUT, DELFT, NETHERLANDS.

1826 MUNZEL, H. TWO CALCULATION PROGRAMS FOR APPLICATION IN ACTIVATION ANALYSIS. RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. II, 141-148 (1965). (ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES). KERNFORSCHUNGSZENTRUM, KARLSRUHE, FEDERAL REPUBLIC OF GERMANY.

1827 DE SOETE, D. * HOSTE, J.
A NON-DESTRUCTIVE ACTIVATION ANALYSIS FOR THE DETERMINATION OF CO IN NI USING A COMPTON COMPENSATED GAMMASPECTROMETER.
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA, VIENNA, VOL. II, 91-100 (1965), (ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES). LABORATORY FOR ANALYTICAL CHEMISTRY, GHENT UNIVERSITY, BELGIUM.

1828 SPEECKE, A. * MAES, K.
DETERMINATION OF CU, ZN AND MN IN COBALT METAL BY ACTIVATION ANALYSIS.
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. I. 51-60 (1965). (ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES). STUDIECENTRUM VOOR KERNENERGIE, MOL, BELGIUM.

1829 PREISLER, E. * STARK, H.
THE DETERMINATION OF TANTALUM AND TUNGSTEN IN NIOBIUM BY MEANS OF ACTIVATION ANALYSIS.
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. I. 61-75 (1965). (ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES). MAX-PLANCK-INSTITUT FUR METALLFORSCHUNG, ABTEILUNG FUR SONDERMETALLE, STUTTGART, GERMANY.

1830 RECKE, W. * SORANTIN, H.
RAPID DETERMINATION OF SILVER IN LEAD BY NON-DESTRUCTIVE NEUTRON ACTIVATION ANALYSIS.
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. I. 77-84 (1965). (ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES). OSTERREICHISCHE STUDIENGESELLSCHAFT FUR ATOMENERGIE GES.M.B.H., REAKTORENZENTRUM, SEIBERSDORF, AUSTRIA.

1831 MARKOWITZ, S.S. * MAHONY, J.D.
HE-3 ACTIVATION ANALYSIS FOR CARBON BY C-12 (HE-3, ALPHA) C-11 REACTION.
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. I. 419-432 (1965). DEPARTMENT OF CHEMISTRY AND LAWRENCE RADIATION LABORATORY, UNIVERSITY OF CALIFORNIA, BERKELEY, CALIF.

1832 ORDOGH, M. * SZABO, E. * HEGEDUES, D.
DETERMINATION OF IMPURITIES IN REACTOR GRADE URANIUM OXIDE.
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. I. 175-186 (1965). (ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES). CENTRAL RESEARCH INSTITUTE FOR PHYSICS, BUDAPEST, HUNGARY.

1833 TRAVESI, A. * GALIANO, J.A.
DETERMINATION OF TRACES OF IMPURITIES IN URANIUM BY MEANS OF ACTIVATION.
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. 1. 153-173 (1965). (SPANISH) (ENGLISH, FRENCH AND RUSSIAN SUMMARIES). JUNTA DE ENERGIA NUCLEAR, MADRID, SPAIN.

1834 LECHTMAN, H.N. * SAYRE, E.V.
NUCLEAR ACTIVATION AUTORADIOGRAPHY OF OIL PAINTS, A PRELIMINARY STUDY.
BNL-8034, 11P., UNDATED, (ENGLISH), BROOKHAVEN NATIONAL LABORATORY, UPTON, N.Y.

1835 TOWELL, D.G. * VOLFOVSKY, R. * WINCHESTER, J.W.
RARE EARTH ABUNDANCES IN THE STANDARD GRANITE G-1 AND STANDARD DIABASE W-1.
GEOCHIM. COSMOCHIM. ACTA, 29, 569-572 (1965). (ENGLISH). DEPARTMENT OF GEOLOGY AND GEOPHYSICS, MIT, CAMBRIDGE, MASS.

1836 FLEISCHER, A.A.
A 30-INCH CYCLOTRON FOR USE IN ACTIVATION ANALYSIS.
CYCLOTRON CORP. REPORT NO. 1001, 31P., MARCH 1965. (ENGLISH). THE CYCLOTRON CORP., BERKELEY, CALIF.

1837 HIGH VOLTAGE ENGINEERING CORP.
CARBON DETERMINATIONS VIA CHARGED PARTICLE ACTIVATION.
HIGH VOLTAGE ENGINEERING CORP. TECHNICAL NOTE 3, UNDATED. (ENGLISH). HIGH VOLTAGE ENGINEERING CORP., BURLINGTON, MASS.

1838 HIGH VOLTAGE ENGINEERING CORP.
ACTIVATION ANALYSIS WITH VAN DE GRAAFF NEUTRON SOURCES.
HIGH VOLTAGE ENG. CORP. BULLETIN AAA, NOVEMBER 1961. (ENGLISH). HIGH VOLTAGE ENGINEERING CORP., BURLINGTON, MASS.

1839 GEBAUHR, W. * MARTIN, J.
DETERMINATION OF RARE EARTHS IN GRAPHITE BY MEANS OF ACTIVATION ANALYSIS.
NUKLEONIK, 4, 9-18 (1962). (GERMAN). FORSCHUNGSLABORATORIUM DER SIEMENS-SCHUCKERTWERKE AG, ERLANGEN, GERMANY.

1840 GROSEL, J. * SORANTIN, H.
NONDESTRUCTIVE DETERMINATION OF IMPURITIES IN PURE NIOBIUM BY NEUTRON ACTIVATION AND GAMMA SPECTROMETRY.
MIKROCHIM. ICHNOANAL. ACTA, 2, 297-308 (1965). (GERMAN) (ENGLISH AND FRENCH SUMMARIES). INSTITUT FUR CHEMIE, OSTERREICHISCHE STUDIENGESELLSCHAFT FUR ATOMENERGIE GES.M.B.H., GERMANY.

1841 ADAMS, F. * HOSTE, J.
NEUTRON-ACTIVATION ANALYSIS OF COPPER IN LEAD.
TALANTA, 12, 221-225 (1965). (ENGLISH) (GERMAN AND FRENCH SUMMARIES). LABORATORY FOR ANALYTICAL CHEMISTRY, GHENT UNIVERSITY, BELGIUM.

1842 SCHMIED, H. * DEAK, M.
RATE OF EVAPORATION OF THORIUM FROM CARBURIZED THORIATED TUNGSTEN CATHODES MEASURED BY ACTIVATION ANALYSIS.
BRIT. J. APPL. PHYS., 16, 269-270 (1965). (ENGLISH). BROWN BOVERI AND CO. LTD., BADEN, SWITZERLAND.

1843 CALDWELL, R.L. * BALDWIN, W.F. * BARGAINER, J.D. * BERRY, J.E. * SALAITA, G.N. * SLOAN, R.W.
GAMMA-RAY SPECTROSCOPY IN WELL LOGGING.
GEOPHYSICS, 28, NO. 4, 617-632 (AUGUST 1963). (ENGLISH). SOCONY MOBIL OIL CO. INC., DALLAS, TEXAS.

1844 BENSON, P.A. * GLEIT, C.E.
NEUTRON ACTIVATION AND RADIOCHEMICAL DETERMINATION OF THE MOLYBDENUM, CHROMIUM, AND IRON CONTENT OF INDIVIDUAL STAINLESS STEEL MICROSPHERES.
ANAL. CHEM., 35, 1029-1032 (1963). (ENGLISH). TRACERLAB. DIVISION OF LABORATORY FOR ELECTRONICS, RICHMOND, CALIF.

1845 PORRITT, R. * THACKRAY, M.
SAFE, SIMPLE METHOD OF OPENING IRRADIATED SILICA AMPOULES.
ANAL. CHEM., 35, 1111 (1963). (ENGLISH). AUSTRALIAN ATOMIC ENERGY COMMISSION, RESEARCH ESTABLISHMENT, LUCAS HEIGHTS, NEW SOUTH WALES, AUSTRALIA.

1846 REYNOLDS, S.A.
RADIOCHEMICAL AND NUCLEAR METHODS.
QUOTE ANALYSIS OF ESSENTIAL NUCLEAR REACTOR MATERIALS QUOTE. RODDEN AND CLEMENT, 1111-1128, 1964. ,ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1847 LYON, W.S., JR.
GUIDE TO ACTIVATION ANALYSIS.
QUOTE GUIDE TO ACTIVATION ANALYSIS QUOTE. D. VAN NOSTRAND CO. INC., PRINCETON, N.J., 203P., 1964) (ENGLISH). ANALYTICAL CHEMISTRY DIVISION, OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1848 KOCH, H, * KOCH, B,
SELENIUM PURITY EXAMINATIONS BY ACTIVATION ANALYSIS,
KERNTECHNIK, 5, 248-251 (1963), (GERMAN), INSTITUT FUR ANGEWANDTE RADIOAKTIVITAT, LEIPZIG, GERMANY,

1849 VOIGT, A.F.
ACTIVATION ANALYSIS.
ISC-1116, 51 (1959). (ENGLISH), AMES LABORATORY, IOWA STATE COLLEGE, AMES, IOWA.

1850 WIBERLEY, J.S.
ELEMENTARY ANALYSIS USING RADIATION SOURCES.
MICROCHEM. J., II, 219-227 (1958). (ENGLISH). SOCONY MOBIL OIL COMPANY, INC., RESEARCH DEPARTMENT, BROOKLYN, N.Y.

1851 SHUMWAY, R.H.
RADIONUCLIDE ANALYSIS OF GAMMA-RAY SPECTRA BY STEPWISE MULTIPLE REGRESSION.
PUBLIC HEALTH SERVICE PUBL, NO. 999-R-5, 19P., 1963. (ENGLISH). PUBLIC HEALTH SERVICE, WASHINGTON, D.C.

1852 STEELE, E,L,
NUCLEAR ACTIVATION ANALYSIS,
PROCEEDINGS OF THE SYMPOSIUM ON PHYSICS AND NONDESTRUCTIVE TESTING, SAN ANTONIO, TEXAS, 315-355, 1963, (ENGLISH), TEXAS AGRICULTURAL AND MECHANICAL COLLEGE, COLLEGE STATION, TEXAS,

1853 TAYLOR, N.K. * LINACRE, J.K.
THE USE OF COBALT AS AN ACCURATE THERMAL NEUTRON FLUX MONITOR.
AERE-R-4111, 37P., JULY 1964. (ENGLISH).
CHEMISTRY DIVISION, AERE, HARWELL, BERKSHIRE, ENGLAND.

1854 HIGH VOLTAGE ENGINEERING CORP.
FAST ACTIVATION ANALYSIS WITH VAN DE GRAAFF NEUTRON SOURCES.
HIGH VOLTAGE ENGINEERING CORP. BULLETIN FA, JUNE 1962. (ENGLISH). HIGH VOLTAGE ENGINEERING CORP., BURLINGTON, MASS.

1855 CHIBA, M.
STUDY ON THE APPLICATION OF RADIOCHEMICAL METHODS TO THE ANALYSIS OF METALS (I) ACTIVATION ANALYSIS OF IMPURITIES IN THE METALLIC SILICON OF HIGH PURITY.
TRANS. NATL. RES. INST. METALS (TOKYO), 4, 143-150 (1962). (ENGLISH). JAPAN

1856 EL-SHAMY, H.K. * ABDEL-RASSOUL, A.A. * BISHAY, T.Z.
DETERMINATION OF CERTAIN TRACE IMPURITIES IN PURE LEAD AND ALUMINUM BY NEUTRON ACTIVATION ANALYSIS.
THIRD UNITED NATIONS INTERNATIONAL CONFERENCE ON THE PEACEFUL USES OF ATOMIC ENERGY,
A/CONF.28/P/829, 14P., 1964. (ENGLISH). NUCLEAR CHEMISTRY DEPARTMENT, ATOMIC ENERGY ESTABLISHMENT, INSHASS, U.A.R.

1857 AMIEL, S.
NEUTRON COUNTING IN ACTIVATION ANALYSIS.
THIRD UNITED NATIONS INTERNATIONAL CONFERENCE ON THE PEACEFUL USES OF ATOMIC ENERGY,
A/CONF.28/P/825, 20P., 1964. (ENGLISH). ISRAEL ATOMIC ENERGY COMMISSION, REHOVOTH, ISRAEL.

1858 ABDEL-RASSOUL, A.A. * ABDEL-WAHAB, M.F. * SCHULERT, A.R. * BROWNE, H.G. * MANSOUR, M.M.
BIOLOGICAL DISPOSITION OF ANTI-BILHARZIAL ANTIMONY DRUGS. PART I. ESTIMATION OF ANTIMONY IN BODY FLUIDS AND PARASITES BY ACTIVATION ANALYSIS.
THIRD UNITED NATIONS INTERNATIONAL CONFERENCE ON THE PEACEFUL USES OF ATOMIC ENERGY,
A/CONF.28/P/841, 11P., 1964. (ENGLISH). ATOMIC ENERGY ESTABLISHMENT, INSHAS, U.A.R.

1859 GORSKI, L. * KUSCH, W. * WOJTKOWSKA, J.
A STATEMENT OF THE APPLICABILITY OF FAST NEUTRON
ACTIVATION ANALYSIS TO DETERMINE THE COPPER
CONTENT IN COPPER DEPOSITS.
PAN-487/IA, 12P., DECEMBER 1963. (ENGLISH).
POLISH ACADEMY OF SCIENCES, INSTITUTE OF NUCLEAR
RESEARCH, WARSAW, POLAND.

1860 WILSON, R. * KINSLEY, M. * FINSTON, H.
ANALYSIS OF DIAMOND DUST.
BNL-731, 55-56, 1962. (ENGLISH). BROOKHAVEN
NATIONAL LABORATORY, UPTON, N.Y.

1861 ROOK, H.L.
ANALYSIS OF TOTAL BERYLLIUM IN BERYLLIUM METAL BY
GAMMA ACTIVATION.
ANAL. CHEM., 36, 2211-2212 (1964). (ENGLISH).
MOUND LABORATORY, MIAMISBURG, OHIO.

1862 FOLDZINSKA, A. * MALINOWSKI, J.
APPLICATION OF THE GUTZEIT METHOD TO RADIOCHEMICAL
DETERMINATION OF ARSENIC. II. DETERMINATION OF
ARSENIC IN SEMICONDUCTOR-GRADE GERMANIUM, SULPHUR
AND MINERAL ACIDS.
NUKLEONIKA, 8, NO. 4, 233-236 (1963). (ENGLISH).
(POLISH AND RUSSIAN SUMMARIES). INSTITUTE OF
NUCLEAR RESEARCH, WARSAW, POLAND.

1863 WAHLGREN, M.A. * ORLANDINI, K.A.
DETERMINATION OF GERMANIUM IN MINERAL SPECIMENS BY
NEUTRON ACTIVATION ANALYSIS.
TID-17665, 53-60 (1962). (ENGLISH). ARGONNE
NATIONAL LABORATORY, ARGONNE, ILLINOIS.

1864 LUNDGREN, F.A. * NARGOLWALLA, S.S.
USE OF A DUAL SAMPLE BIAXIAL ROTATING ASSEMBLY
WITH A PNEUMATIC TUBE TRANSFER SYSTEM FOR HIGH
PRECISION 14 MEV NEUTRON ACTIVATION ANALYSIS.
ANAL. CHEM., 40, NO. 4, 672-677 (1968).
(ENGLISH). NATIONAL BUREAU OF STANDARDS,
WASHINGTON, D.C.

1865 BUSSELL, H. * ZYSKOWSKI, C.L. * NELSON, L.C., JR.
NEUTRON ACTIVATION ANALYSIS OF URANIUM-235 WITH
IMPROVED PRECISION AND ACCURACY.
TID-7655, 61-89, 1962. (ENGLISH). NEW BRUNSWICK
LABORATORY, USAEC, NEW BRUNSWICK, N.J.

1866 FITE, L.E. * WILKINS, W.W. * WAINERDI, R.E.
THE TEXAS A. AND M. MARK I-IA, AUTOMATIC REACTOR AND COMPUTER-COUPLED SYSTEM FOR ACTIVATION ANALYSIS.
TID-7655, 40-52, 1962. (ENGLISH). AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS, COLLEGE STATION, TEXAS.

1867 MEINKE, W.W.
ACTIVATION ANALYSIS AND THE RESEARCH REACTOR. CHEMISTRY RESEARCH AND CHEMICAL TECHNIQUES BASED ON RESEARCH REACTORS. IAEA TECHNICAL REPORTS SERIES NO. 17, 95-114, MAY 1963) (ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES). DEPARTMENT OF CHEMISTRY, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICH.

1868 GUINN, V.P.
ACTIVATION ANALYSIS WITH A RESEARCH REACTOR--NEW DEVELOPMENTS.
TID-7655, 1-11, 1962, (ENGLISH). GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORP., SAN DIEGO, CALIF.

1869 SCHNEIDER, W.
ACTIVATION BY REACTOR NEUTRON FLUX.
KERNTECHNIK, 5, 334-338 (1963), (GERMAN), JULICH, GERMANY,

1870 STEIM, J.M. * BENSON, A.A.
NEUTRON ACTIVATION CHROMATOGRAPHIC ANALYSIS IN BIOCHEMISTRY.
TRANS. AM. NUCL. SOC., 6, 399-400 (1963). (ENGLISH). PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, PA.

1871 POSTMA, F.W., JR. * MC MURRAY, C.S., JR.
DETERMINATION OF BERYLLIUM METAL BY ACTIVATION ANALYSIS.
TID-7655. 90-106, 1962. (ENGLISH). UNION CARBIDE NUCLEAR CO. Y-12 PLANT, OAK RIDGE, TENN.

1872 CORLESS, J.T. * WINCHESTER, J.W.
DETERMINATION OF THE RELATIVE ISOTOPIC ABUNDANCE OF CA-48 IN NATURAL MATERIALS BY NEUTRON ACTIVATION ANALYSIS.
NYO-2302, 105-106, 1962. (ENGLISH). MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MASS.

1873 STANG, L.G., JR.
ACTIVATION ANALYSES FOR MEDICAL RESEARCH THE USE OF STABLE SILVER AS A TRACER.
BNL-7772, 48P., JUNE 1955. (ENGLISH). BROOKHAVEN NATIONAL LABORATORY, UPTON, N.Y.

1874 WINCHESTER, J.W. * DUCE, R.A.
HALOGEN GEOCHEMISTRY.
TECH. ENG. NEWS, 27-31 (MAY 1965). (ENGLISH). DEPARTMENT OF GEOPHYSICS, MIT, CAMBRIDGE, MASS.

1875 WOOD, D.E. * ROPER, N.J.
FAST NEUTRON ACTIVATION ANALYSIS FOR SILICON IN IRON.
KN-65-140(R), 21P., 15 APRIL 1965. (ENGLISH). KAMAN NUCLEAR, COLORADO SPRINGS, COLORADO.

1876 GENERAL DYNAMICS
ACTIVATION ANALYSIS SERVICE. SHORT COURSES.
GENERAL DYNAMICS BULLETIN, 2P., UNDATED. (ENGLISH). GENERAL DYNAMICS, GENERAL ATOMIC DIVISION, SAN DIEGO, CALIF.

1877 BABALA, D, * VORISEK, M,
CALCULATION AND MEASUREMENT OF CERTAIN CORRECTIONS IN THE CASE OF ACTIVATION BY THERMAL NEUTRONS,
REV, PHYS, ACAD, REP, POPULAIRE ROUMAINE, 6, SUPPL., 189-205 (1961), (RUSSIAN), RUSSIA,

1878 GIRARDI, F. * GUZZI, G. * PAULY, J.
IDENTIFICATION CHART FOR GAMMA EMITTING RADIONUCLIDES FORMED BY (N,GAMMA) REACTIONS.
EUR 2408.E., 14P., AUGUST 1965. (ENGLISH). JOINT NUCLEAR RESEARCH CENTER, ISPRA ESTABLISHMENT, ITALY.

1879 KUSAKA, Y. * TSUJI, H.
RADIOACTIVATION ANALYSIS OF INDIUM USING RADIUM PLUS BERYLLIUM NEUTRON SOURCE. II. STUDIES ON NEUTRON IRRADIATION METHOD FOR SAMPLE OF AQUEOUS SOLUTION.
NIPPON KAGAKU ZASSHI, 81, 1087-1090 (1960). (JAPANESE) (ENGLISH SUMMARY). KONAN UNIVERSITY, KOBE, JAPAN.

1880 AOKI, F. * OKADA, M.
BASIC STUDIES ON ACTIVATION ANALYSIS. I. OPTIMUM SAMPLE POSITION IN ACTIVATION ANALYSIS USING RA-BE NEUTRON SOURCE IN PARAFFIN MODERATOR.
TOKYO KOGYO SHIKENSHO HOKOKU, 54, 121-125 (1959). (JAPANESE). GOVERNMENT CHEMICAL AND INDUSTRIAL RESEARCH INSTITUTE, TOKYO, JAPAN.

1881 OKADA, M.
BASIC STUDY ON ACTIVATION ANALYSIS (IV) OBSERVATION OF THE EXTENT OF THE FORMATION OF SHORT-LIVED, GAMMA ACTIVE NUCLIDES BY NEUTRON IRRADIATION.
TOKYO KOGYO SHIKENSHO HOKOKU, 58, 486-488 (1963). (JAPANESE) (ENGLISH SUMMARY). GOVERNMENT CHEMICAL INDUSTRIAL RESEARCH INSTITUTE, TOKYO, JAPAN.

1882 OKADA, M.
STUDY ON RAPID ANALYSIS BY RADIOACTIVATION (VI) DETERMINATION OF YTTERRIUM IN AQUEOUS SOLUTIONS AND IN THULIUM OXIDE.
TOKYO KOGYO SHIKENSHO HOKOKU, 58, 489-491 (1963). (JAPANESE) (ENGLISH SUMMARY). GOVERNMENT CHEMICAL INDUSTRIAL RESEARCH INSTITUTE, TOKYO, JAPAN.

1883 TRAVESI JIMENEZ, A.
PREPARATION OF FLUX MONITORS FOR ACTIVATION ANALYSIS IN A NUCLEAR REACTOR.
ANALES REAL SOC. ESPAN. FIS. QUIM. (MADRID), SER. B, 60, 363-380 (1964). (SPANISH) (ENGLISH SUMMARY). JUNTA DE ENERGIA NUCLEAR DIRECCION DE QUIMICA E ISOTOPOS, SECCION DE RADIOQUIMICA.

1884 STERLINSKI, S.
OPTIMAL IRRADIATION AND MEASUREMENT CONDITION IN ACTIVATION ANALYSIS. GAMMA-SPECTROMETRIC DETERMINATION OF TRACE CONTAMINATION IN PRESENCE OF ACTIVE MATRIX.
NUKLEONIKA, 8, NO. 1, 57-67 (1963). (POLISH) (ENGLISH SUMMARY). INSTYTUT BADAN JADROWYCH, WARSZAWA, POLAND.

1885 SAIZEW, E.I. * MALYSCHEW, W.I. * SALMIN, J.P. * SCHIRJAJEWA, M.B. * JAKUBOWITSCH, A.L.
SEVERAL POSSIBILITIES FOR THE APPLICATION OF NUCLEAR PHYSICAL METHODS OF ANALYSIS IN GEOCHEMICAL EXPLORATORY STUDIES ON ORE DEPOSITS.
Z. ANGEW. GEOL., 11, 180-183 (APRIL 1965). (GERMAN TRANSLATION). UDSSR.

1886 RAMDOHR, H.F.
ACTIVATION ANALYSIS FOR COPPER ORE SORTING,
KERNTECHNIK, 5, 204-206 (1963), (GERMAN),
INSTITUT KARLSRUHE DER
ISOTOPEN-STUDIENGESELLSCHAFT E,V,

1887 VOLBORTH, A. * VINCENT, H.A.
ACCURATE DETERMINATION OF TOTAL OXYGEN IN SIX NEW
U.S. GEOLOGICAL SURVEY ROCK STANDARDS BY FAST
NEUTRON ACTIVATION.
TRANS. AMER. NUCL. SOC., 10, 27-28 (JUNE 1967).
(ENGLISH). UNIVERSITY OF NEVADA, RENO, NEVADA.

1888 NETZEL, D.A. * STANLEY, C.W. * RATHBURN, D.W.
A NEUTRON ACTIVATION METHOD FOR SOIL REMOVAL
MEASUREMENTS A COMPARISON OF THE REFLECTANCE
METHOD AND THE NEUTRON ACTIVATION METHOD.
J. AM. OIL CHEMISTS SOC., 41, 678-683 (OCT. 1964).
(ENGLISH). MIDWEST RESEARCH INSTITUTE. KANSAS
CITY, MISSOURI.

1889 TEXAS NUCLEAR CORPORATION
THE APPLICATION OF NUCLEAR TECHNIQUES IN COAL
ANALYSIS. INTERIM TECHNICAL REPORT NO. 2.
FROM 2ND NATIONAL MEETING OF THE SOCIETY FOR
APPLIED SPECTROSCOPY, SAN DIEGO, CALIF.,
(CONF-313-2), OCTOBER 14-18, 1963. (ENGLISH).
TEXAS NUCLEAR CORPORATION, AUSTIN, TEXAS.

1890 GRUMMITT, W.E. * LAHAIE, G.
STRONTIUM, BARIUM AND CALCIUM IN SOME COMPONENTS
OF HUMAN DIET.
AECL-1680, 20P., JANUARY 1963. (ENGLISH). ATOMIC
ENERGY OF CANADA LTD., CHALK RIVER, ONTARIO,
CANADA.

1891 DIEBOLT, J.
CONTRIBUTION TO THE ACTIVATION ANALYSIS OF THE
RARE GASES. CONTRIBUTION TO THE ANALYSIS OF CARBON
MONOXIDE AND WATER VAPOUR IN GASES.
CEA - R 2357, 48P. (1963). (FRENCH) (ENGLISH
SUMMARY). COMMISSARIAT A L ENERGIE ATOMIQUE,
CENTRE D ETUDES NUCLEAIRES DE GRENOBLE, FRANCE.

1892 SAMSAHL, K.
AN ANION-EXCHANGE METHOD FOR THE SEPARATION OF
P-32 ACTIVITY IN NEUTRON-IRRADIATED BIOLOGICAL
MATERIAL.
AE-149, 10P., JUNE 1964. (ENGLISH). AKTIEBOLAGET
ATOMENERGT, STOCKHOLM, SWEDEN.

1893 BRUNE, D. * SJOBERG, H.E.
DETERMINATION OF MAGNESIUM IN NEEDLE BIOPSY SAMPLES OF MUSCLE TISSUE BY MEANS OF NEUTRON ACTIVATION ANALYSIS.
AE-151, 8P., JULY 1964. (ENGLISH). AKTIEBOLAGET ATOMENERGI, STOCKHOLM, SWEDEN.

1894 SAMSAHL, K.
A SIMPLE APPARATUS FOR FAST ION EXCHANGE SEPARATIONS.
AE-159, 15P., SEPTEMBER 1964. (ENGLISH). AKTIEBOLAGET ATOMENERGI, STOCKHOLM, SWEDEN.

1895 ALTMANN, H.
IAEA-PANEL ON THE USE OF ISOTOPES AND RADIATION IN PLANT PATHOLOGY VIENNA, SEPT. 2-6, 1963. PART II. ACTIVATION ANALYSIS IN VIRUS RESEARCH.
SGAE-BL-4/1964, 5P., 1963. (ENGLISH). OSTERREICHISCHE STUDIENGESELLSCHAFT FUR ATOMENERGIE, GES.M.B.H. REAKTORZENTRUM SEIBERSDORF, AUSTRIA.

1896 GIBBONS, D. * OLIVE, G.
APPLICATIONS OF A NEUTRON GENERATOR IN RADIOACTIVATION ANALYSIS.
AERE-R-4576, 23P., 15 NOVEMBER 1963. (ENGLISH). UKAEA, ISOTOPE RESEARCH DIVISION, AERE, WANTAGE RESEARCH LABORATORY, WANTAGE, BERKS, ENGLAND.

1897 SAYRE, E.V.
THE STUDY OF ANCIENT OBJECTS BY NEUTRONS.
BNL-4868, 20P., 1962. (ENGLISH). CHEMISTRY DEPARTMENT, BROOKHAVEN NATIONAL LABORATORY, UPTON, N.Y.

1898 RASMUSSEN, N.C. * HUKAI, Y.
THE PROMPT ACTIVATION ANALYSIS OF COAL USING NEUTRON CAPTURE GAMMA RAYS.
TRANS. AMER. NUCL. SOC., 10, 29-30 (JUNE 1967). (ENGLISH). MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MASS.

1899 TO-ON, M.
THE DETERMINATION OF PHOSPHOROUS BY FAST NEUTRON ACTIVATION ANALYSIS.
TID-20472, 126P., 1963. (ENGLISH). TEXAS AGRICULTURAL AND MECHANICAL COLLEGE, COLLEGE STATION, TEXAS.

1900 STEELE, E.L. * LUKENS, H.R., JR.
DEVELOPMENT OF NEUTRON ACTIVATION ANALYSIS PROCEDURES FOR THE DETERMINATION OF OXYGEN IN POTASSIUM. FIRST AND SECOND QUARTERLY REPORT (PERIOD ENDING DECEMBER 26, 1963).
GA-4855, 30P., JANUARY 10, 1964. (ENGLISH).
GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORP., SAN DIEGO, CALIF.

1901 ALIAN, A. * PARTHASARATHY, R. * SANKAR DAS, M.
NEUTRON ACTIVATION ANALYSIS OF TRACES OF URANIUM SOLVENT EXTRACTION AND GAMMA-RAY SPECTROMETRIC DETERMINATION OF NP-239.
A.E.E.T./ANAL./35, 20P., 1965. (ENGLISH).
ANALYTICAL DIVISION ATOMIC ENERGY ESTABLISHMENT TROMBAY, BOMBAY, INDIA.

1902 SANKAR DAS, M. * SHARMA, H.D.
ACTIVATION ANALYSIS AS APPLIED TO THE PROBLEMS IN THE ATOMIC ENERGY ESTABLISHMENT TROMBAY.
A.E.E.T./RADIOCHEM/56, 6P., 1964. (ENGLISH).
ATOMIC ENERGY ESTABLISHMENT TROMBAY, BOMBAY, INDIA.

1903 GANGADHARAN, S. * KRISHNAMOORTHY IYER, R. * SANKAR DAS, M.
A COMPILATION OF DATA FOR ACTIVATION ANALYSIS BY (N, GAMMA) REACTION.
A.E.E.T./ANAL./28, 44P., 1963. (ENGLISH).
ANALYTICAL DIVISION, ATOMIC ENERGY ESTABLISHMENT TROMBAY, BOMBAY, INDIA.

1904 BATELLE MEMORIAL INSTITUTE
DEVELOPMENT OF ANALYTICAL TECHNIQUES FOR THE DETERMINATION OF MINUTE QUANTITIES OF SELECTED ELEMENTS IN BERYLLIUM.
AD-410234, 42P., JULY 22, 1963. (ENGLISH). BATELLE MEMORIAL INSTITUTE, COLUMBUS, OHIO.

1905 TWITTY, B.L.
THE NEUTRON ACTIVATION FACILITY AT THE NATIONAL LEAD COMPANY OF OHIO.
NLCO-927, 18P., SEPTEMBER 23, 1964. (ENGLISH).
NATIONAL LEAD COMPANY OF OHIO, CINCINNATI, OHIO.

1906 AMIEL, S.
NEW METHODS OF RADIO-ACTIVATION ANALYSIS BASED ON DELAYED NEUTRON EMISSION AND SECONDARY REACTIONS. QUOTE UTILIZATION OF RESEARCH REACTORS, IAEA, VIENNA. QUOTE LONDON, ACADEMIC PRESS, VOL. 3, 307-314, 1962. (ENGLISH). ISRAEL ATOMIC ENERGY COMMISSION LABORATORIES, REHOVOTH, ISRAEL.

1907 GREEN, D.E.
ACTIVATION ANALYSIS WITH A LOW POWER RESEARCH REACTOR.
UTILIZATION OF RESEARCH REACTORS, IAEA, VIENNA. LONDON, ACADEMIC PRESS, VOL. 3, 315-320, 1962. (ENGLISH). ASSOCIATED ELECTRICAL INDUSTRIES LIMITED, RESEARCH LABORATORY, ALDERMASTON COURT, BERKSHIRE, ENGLAND.

1908 HARA, R.
SOME COMMENTS ON CHEMISTRY RESEARCH AND CHEMICAL TECHNIQUES BASED ON RESEARCH REACTORS.
UTILIZATION OF RESEARCH REACTORS. VIENNA, IAEA, 361-371, 1963. (ENGLISH). INTERNATIONAL ATOMIC ENERGY AGENCY, VIENNA.

1909 YEH, S.J.
THE RESEARCH PROGRAM IN RADIOCHEMISTRY AND RADIATION CHEMISTRY USING THE NUCLEAR REACTOR AT THE NATIONAL TSING HUA UNIVERSITY.
UTILIZATION OF RESEARCH REACTORS, VIENNA, IAEA, 395-402, 1963. (ENGLISH). NATIONAL TSING HUA UNIVERSITY, TAIWAN, CHINA.

1910 BRUNE, D. * JIRLOW, K.
OPTIMIZATION IN ACTIVATION ANALYSIS BY MEANS OF EPITHERMAL NEUTRONS. DETERMINATION OF MOLYBDENUM IN STEEL.
AE-128, 13P., 1963. (ENGLISH). AKTIEBOLAGET ATOMENERGI, STOCKHOLM, SWEDEN.

1911 SANKAR DAS, M.
EVALUATION OF CERTAIN THRESHOLD REACTIONS INDUCED BY REACTOR-FAST NEUTRONS FOR THEIR APPLICATION IN ACTIVATION ANALYSIS.
A.E.E.T. PREPRINT, 17P., UNDATED. (ENGLISH). ATOMIC ENERGY ESTABLISHMENT TROMBAY, BOMBAY, INDIA.

1912 FITE, L.E. * STEELE, E.L. * WAINERDI, R.E. * IBERT, E. * JIMENEZ, P. * SAMSON, C. * TO-ON, M.
AN INVESTIGATION OF REMOTE LUNAR ANALYSIS BY NUCLEAR ACTIVATION ANALYSIS.
TID-19999, 101P., APRIL 30, 1963. (ENGLISH). ACTIVATION ANALYSIS RESEARCH LABORATORY, TEXAS ENGINEERING EXPERIMENT STATION, A AND M COLLEGE OF TEXAS, COLLEGE STATION, TEXAS.

1913 MERCER, W.A.
APPLICATION OF RADIOCHEMISTRY TECHNIQUES IN FOOD PROCESSING RESEARCH. RADIOISOTOPIC TRACER TECHNIQUES IN EVALUATION AND IMPROVEMENT OF INDUSTRY PRACTICES FOR REMOVAL OF PESTICIDE RESIDUES FROM FOODS.
SAN-1022, 93P., FEBRUARY 1963. (ENGLISH). NATIONAL CANNERS ASSOCIATION WESTERN RESEARCH LABORATORY, BERKELEY, CALIF.

1914 NUCLEAR SCIENCE AND ENGINEERING CORPORATION
SURVEY OF IODINE-129 CONCENTRATIONS IN THYROID TISSUES.
NSEC-88, 19P., MARCH 4, 1963. (ENGLISH). NUCLEAR SCIENCE AND ENGINEERING CORP., PITTSBURGH, PA.

1915 AMSEL, G.
MICROANALYSIS BY THE OBSERVATIONS OF NUCLEAR REACTIONS APPLICATION TO SOLID-STATE PHYSICS (THESIS).
LAL-1053, 39P., MAY 1963, (FRENCH), PARIS, UNIVERSITE, ORSAY, ECOLE NORMALE SUPERIEURE, LABORATOIRE DE L ACCELERATEUR LINEAIRE, FRANCE.

1916 PONITZ, W.
DETERMINATION OF ABSOLUTE THERMAL NEUTRON FLUX BY GOLD FOILS.
KFK-180, 28P., APRIL 1963. (ENGLISH). INSTITUT FUR ANGEWANDTE KERNPHYSIK, KERNFORSCHUNGSZENTRUM KARLSRUHE, GERMANY.

1917 HOWARD, P.K. * COVAULT, D.O.
DETERMINATION OF THE UNIFORMITY OF MIXING OF PORTLAND CEMENT AND BITUMINOUS CONCRETE FOR VARIOUS MIXING TIMES BY THE USE OF RADIOISOTOPES.
SRO-79, 63P., 20 JANUARY 1963. (ENGLISH). ENGINEERING EXPERIMENT STATION, GEORGIA INSTITUTE OF TECHNOLOGY, ATLANTA, GEORGIA.

1918 EUROPEAN ATOMIC ENERGY COMMUNITY
ACTIVATION ANALYSIS TECHNIQUES AT THE JOINT RESEARCH LABORATORIES AT ISPRA.
EUR.1601.E. 78P., 1964. (ENGLISH). EUROPEAN ATOMIC ENERGY COMMUNITY, JOINT NUCLEAR RESEARCH CENTER, ISPRA. ITALY.

1919 BORELLA, A. * GUZZI, G.
COMPUTER PROGRAM SYSTEM FOR A QUANTITATIVE ANALYSIS BY NEUTRON ACTIVATION AND GAMMA-RAY SPECTROMETRY.
EUR-531.E, 55P.,1964. (ENGLISH). EUROPEAN ATOMIC ENERGY COMMUNITY, JOINT NUCLEAR RESEARCH CENTER, ISPRA, ITALY.

1920 WESTER, P.O.
CONCENTRATION OF 24 TRACE ELEMENTS IN HUMAN HEART TISSUE DETERMINED BY NEUTRON ACTIVATION ANALYSIS.
AE-146, 33P., JUNE 1964. (ENGLISH). AKTIEBOLAGET ATOMENERGI, STOCKHOLM, SWEDEN.

1921 MILNER, G.W.C. * WOOD, A.J.
THE DETERMINATION OF PLUTONIUM-241 IN RESIDUE SOLUTIONS BY NEUTRON ACTIVATION.
AERE-R-4510, 9P., JANUARY 1964. (ENGLISH). UKAEA RESEARCH GROUP, AERE, HARWELL, BERKS, ENGLAND.

1922 OLIVE, G. * CAMERON, J.F. * CLAYTON, C.G.
A REVIEW OF HIGH INTENSITY NEUTRON SOURCES AND THEIR APPLICATION IN INDUSTRY.
AERE-R 3920. 43P., JUNE 1962. (ENGLISH). ISOTOPE RESEARCH DIVISION, AERE, WANTAGE RESEARCH LABORATORY, BERKSHIRE, ENGLAND.

1923 UNITED KINGDOM ATOMIC ENERGY AUTHORITY
ANALYTICAL METHOD FOR THE DETERMINATION OF THE BETA ACTIVITY DUE TO PHOSPHOROUS-32 IN A SULPHUR DISC NEUTRON DOSIMETER.
PG REPORT 387 (W), 9P., 1962. (ENGLISH). UKAEA PRODUCTION GROUP, HEADQUARTERS, RISLEY, WARRINGTON, LANCASHIRE, ENGLAND.

1924 COWPER, G. * BANVILLE, R. * COVEART, A.S.
MEASUREMENT OF SMALL CONCENTRATIONS OF ARGON-41 IN AIR.
CRRD-1171, 7P., OCTOBER 1963. (ENGLISH). ATOMIC ENERGY OF CANADA LTD., CHALK RIVER, ONTARIO, CANADA.

1925 SPRONK, N.
SODIUM SEPARATION FROM BIOLOGICAL MATERIAL.
AMERICAN NUCLEAR SOCIETY MEETING, NEW YORK,
CONF-187-112, 8P., NOVEMBER 18-21, 1963.
(ENGLISH). ANALYTICAL CHEMISTRY DIVISION, OAK
RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1926 SAYRE, E.V.
AUTHENTICATION OF ANCIENT ARTIFACTS BY NUCLEAR
MEANS.
TRANS. AM. NUCL. SOC., 5, 283 (NOV. 1962).
(ENGLISH). BROOKHAVEN NATIONAL LABORATORY, UPTON,
N.Y.

1927 EUROPEAN ATOMIC ENERGY COMMUNITY
COMPARATIVE BIBLIOGRAPHY OF ACTIVATION ANALYSIS
(FINAL REPORT).
EUR 1886.F, 288P., SEPTEMBER 1964. (FRENCH)
(ENGLISH SUMMARY). SOCIETE ATOME INDUSTRIEL,
PARIS, FRANCE.

1928 SMITH, H.
THE INTERPRETATION OF THE ARSENIC CONTENT OF HUMAN
HAIR.
J. FORENSIC SCIENCE SOCIETY, 4, NO. 4, 192-199
(1964). (ENGLISH). DEPARTMENT OF FORENSIC
MEDICINE, THE UNIVERSITY OF GLASGOW, SCOTLAND.

1929 HIRAYAMA, T. * NITTO, M. * HIRAOKA, T. * HAMADA, K.
PROCESS ANALYSIS BY POST-ACTIVATION METHOD.
RADIOISOTOPES (TOKYO), 11, 265-274 (AUG. 1962).
(JAPANESE) (ENGLISH SUMMARY). JAPAN.

1930 BEARDSLEY, D.A. * BRISCOE, G.B. * RUZICKA, J. *
WILLIAMS, M.
SUBSTOICHIOMETRIC DETERMINATION OF TRACES OF GOLD
BY NEUTRON-ACTIVATION ANALYSIS.
TALANTA, 12, 829-839 (1965). (ENGLISH) (GERMAN AND
FRENCH SUMMARIES). DEPARTMENT OF CHEMISTRY,
COLLEGE OF ADVANCED TECHNOLOGY, BIRMINGHAM,
ENGLAND.

1931 REINHARDT, K.
THE ANALYTICAL DETERMINATION OF SEPARATION FACTORS
WITH NEUTRON ACTIVATION AND RADIOACTIVE LABELING
FOR THE ZR-HF SEPARATION BY DISTRIBUTION OF THEIR
THIOCYANATES.
GMEEIN, AED-DISS, 64-205, 112P., 1964, (GERMAN),
GERMANY.

1932 ROSS, H.H.
BASIC NUCLEAR PROPERTIES AND ACTIVATION ANALYSIS.
GUIDE TO ACTIVATION ANALYSIS, EDITED BY W.S. LYON, JR., D. VAN NOSTRAND CO., INC., PRINCETON, N.J., 1-13, 1964. (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1933 ROSS, H.H.
RADIOCHEMICAL SEPARATIONS.
GUIDE TO ACTIVATION ANALYSIS, EDITED BY W.S. LYON, JR., D. VAN NOSTRAND CO., INC., PRINCETON, N.J., 55-61, 1964. (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE.

1934 ELDRIDGE, J.S.
APPLICATION OF THE MULTICHANNEL ANALYZER TO ACTIVATION ANALYSIS PROBLEMS.
GUIDE TO ACTIVATION ANALYSIS, EDITED BY W.S. LYON, JR., D. VAN NOSTRAND CO., INC., PRINCETON, N.J., 100-103, 1964. (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1935 LYON, W.S., JR.
PRESENT BYWAYS AND FUTURE TRENDS IN ACTIVATION ANALYSIS.
GUIDE TO ACTIVATION ANALYSIS, EDITED BY W.S. LYON, JR., D. VAN NOSTRAND CO., INC., PRINCETON, N.J., 108-115, 1964. (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1936 RICCI, E.
PRACTICAL EXAMPLES OF ACTIVATION ANALYSIS.
GUIDE TO ACTIVATION ANALYSIS, EDITED BY W.S. LYON, JR., D. VAN NOSTRAND CO., INC., PRINCETON, N.J., 116-121, 1964. (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1937 RICCI, E.
DETERMINATION OF PHOSPHORUS IN SKIN TISSUE (INTERFERING NUCLEAR REACTIONS).
GUIDE TO ACTIVATION ANALYSIS, EDITED BY W.S. LYON, JR., D. VAN NOSTRAND CO., INC., PRINCETON, N.J., 121-127, 1964. (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1938 RICCI, E.
ANALYSIS OF VANADIUM IN AN IRON MATRIX (NONDESTRUCTIVE GAMMA-RAY SPECTROMETRY).
GUIDE TO ACTIVATION ANALYSIS, EDITED BY W.S. LYON, JR., D. VAN NOSTRAND CO., INC., PRINCETON, N.J., 127-133, 1964. (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1939 RICCI, E.
DETERMINATION OF OXYGEN, PHOSPHOROUS, AND NITROGEN IN A TYPICAL PHOSPHINE OXIDE DERIVATIVE (A NEUTRON GENERATOR METHOD).
GUIDE TO ACTIVATION ANALYSIS, EDITED BY W.S. LYON, JR., D. VAN NOSTRAND CO., INC., PRINCETON, N.J., 133-142, 1964. (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1940 STRAIN, J.E.
ACCELERATOR NEUTRON SOURCES.
GUIDE TO ACTIVATION ANALYSIS, EDITED BY W.S. LYON, JR., D. VAN NOSTRAND CO., INC., PRINCETON, N.J., 33-44, 1964. (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1941 STRAIN, J.E.
ISOTOPIC NEUTRON SOURCES.
GUIDE TO ACTIVATION ANALYSIS, EDITED BY W.S. LYON, JR., D. VAN NOSTRAND CO., INC., PRINCETON, N.J., 44-54, 1964. (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1942 ELDRIDGE, J.S.
SCINTILLATOR AND ANALYZER TYPES.
GUIDE TO ACTIVATION ANALYSIS, EDITED BY W.S. LYON, JR., D. VAN NOSTRAND CO., INC., PRINCETON, N.J., 80-88, 1964. (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1943 ELDRIDGE, J.S.
GAMMA-RAY SPECTRA INTERPRETATION.
GUIDE TO ACTIVATION ANALYSIS, EDITED BY W.S. LYON, JR., D. VAN NOSTRAND CO., INC., PRINCETON, N.J., 88-96, 1964. (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1944 ELDRIDGE, J.S.
CHOICE OF MULTICHANNEL ANALYZER.
GUIDE TO ACTIVATION ANALYSIS, EDITED BY W.S. LYON, JR., D. VAN NOSTRAND CO., INC., PRINCETON, N.J., 96-100, 1964. (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

1945 HOGDAHL, O.
DISTRIBUTION OF THE RARE EARTH ELEMENTS IN SEA-WATER.
NATO RESEARCH GRANT NO. 203, SEMIANNUAL PROGRESS REPORT NO. 2, OCTOBER 1, 1965 TO MARCH 31, 1966, 43P., 7 FIGURES, APRIL 30, 1966. (ENGLISH). CENTRAL INSTITUTE FOR INDUSTRIAL RESEARCH, OSLO, BLINDERN, NORWAY.

1946 KENNA, B.T. * VAN DOMELEN, B.H.
NEUTRON ACTIVATION RELATIONSHIP OF SAMPLE MASS TO SELF-SHIELDING FACTOR.
INTERN. J. APPL. RAD. AND ISOTOPES, 17, 47-50 (1966). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN SUMMARIES). ANALYTICAL METHODS DIVISIONS, SANDIA LABORATORY, ALBUQUERQUE, N.M.

1947 LUKENS, H.R., JR.
ELEMENTAL SURVEY ANALYSIS BY NEUTRON ACTIVATION. SIMPLIFIED ESTIMATION OF UPPER LIMITS.
ANAL. CHIM. ACTA, 34, 9-16 (1966). (ENGLISH) (FRENCH AND GERMAN SUMMARIES). GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORP., SAN DIEGO, CALIF.

1948 RAKOVIC, M. * DIENSTBIER, Z. * KRATOCHVILOVA-TALPOVA, H.
DETERMINATION OF PHOSPHORUS IN BIOLOGICAL FLUIDS BY THE TECHNIQUE OF NEUTRON ACTIVATION ANALYSIS.
CESKOSLOVENSKA RADIOLOGIE, 20, NO. 2, 71-75 (1966). (CZECH) (RUSSIAN AND ENGLISH SUMMARIES). KATEDRA LEKARSKE FYZIKY A NUKLEARNI MEDICINY FAKULTY VSEOB. LEKARSTVI KU V PRAZE, CZECHOSLOVAKIA.

1949 MINCZEWSKI, J.
ANALYTICAL CHEMISTRY APPLIED TO THE DETERMINATION OF TRACE IMPURITIES.
CHIMIE ANAL., 47, NO. 8, 401-406 (AUGUST 1965). (FRENCH). CHAIRE DE CHIMIE ANALYTIQUE, A L ECOLE POLYTECHNIQUE DE VARSOVIE ET A L INSTITUT DE RECHERCHES NUCLEAIRES, FRANCE.

1950 PASZTOR, L.C. * WOOD, D.E.
A COMPARISON OF NEUTRON-ACTIVATION ANALYSIS AND HOT EXTRACTION ANALYSIS OF THE OXYGEN CONTENT OF STEEL.
TALANTA, 13, 389-401 (1966). (ENGLISH) (GERMAN AND FRENCH SUMMARIES). GRAHAM RESEARCH LABORATORY, JONES AND LAUGHLIN STEEL CORPORATION, PITTSBURGH, PA.

1951 PIERCE, T.B. * PECK, P.F. * HENRY, W.M. * HOOTON, B.W.
THE USE OF A LITHIUM-DRIFTED GERMANIUM DIODE TO DETERMINE CARBON IN STEELS BY MEASUREMENT OF PROMPT GAMMA-RADIATION.
ANAL. CHIM. ACTA, 33, 586-592 (1965). (ENGLISH) (FRENCH AND GERMAN SUMMARIES). ANALYTICAL CHEMISTRY BRANCH AND NUCLEAR PHYSICS DIVISION, ATOMIC ENERGY RESEARCH ESTABLISHMENT, HARWELL, BERKS, ENGLAND.

1952 PIETRA, R. * SABBIONI, E. * PAULY, J.
DETERMINATION BY NEUTRON ACTIVATION ANALYSIS OF IMPURITIES IN SOME MATERIALS STRONGLY ACTIVATED UPON IRRADIATION.
EUR 2753.F, 30P., 6 FIGURES, MARCH 1966. (FRENCH) (ENGLISH SUMMARY). EURATOM, JOINT NUCLEAR RESEARCH CENTER, ISPRA ESTABLISHMENT, ITALY.

1953 SCHROEDER, G.L. * EVANS, R.D. * RAGAINI, R.C.
DETERMINATION OF SILVER IN MINERALS AND ORES BY NEUTRON ACTIVATION ANALYSIS AND HIGH RESOLUTION GAMMA SPECTROMETRY.
ANAL. CHEM., 38, NO. 3, 432-434 (MARCH 1966). (ENGLISH). DEPARTMENTS OF PHYSICS + CHEMISTRY, MIT, CAMBRIDGE, MASS.

1954 VOGT, J.R.
THE NON-DESTRUCTIVE DETERMINATION OF SILICON AND OXYGEN IN METEORITES BY FAST NEUTRON ACTIVATION ANALYSIS.
ORO-2670-10, 154P., APRIL 1, 1966. (ENGLISH). UNIVERSITY OF KENTUCKY, DEPARTMENT OF CHEMISTRY, LEXINGTON, KENTUCKY.

1955 WASHINGTON POST
ATOMIC AGE ASSISTS IN PRECIOUS METAL SEARCH.
WASHINGTON POST ARTICLE, 2 P., SATURDAY, AUGUST 21, 1965. (ENGLISH). BELTSVILLE, MARYLAND.

1956 WOOD, D.E. * JESSEN, P.L. * JONES, R.E.
NEW DEVELOPMENTS IN NEUTRON ACTIVATION SYSTEMS FOR ANALYSIS OF OXYGEN IN STEEL.
PAPER PRESENTED TO THE 1966 PITTSBURGH CONFERENCE ON ANALYTICAL CHEMISTRY AND APPLIED SPECTROSCOPY, FEBRUARY 21-25, 1966, 16P., 20 FIGURES. (ENGLISH). KAMAN NUCLEAR, COLORADO SPRINGS, COLORADO.

1957 SAUTIN, A.
ACTIVATION ANALYSIS OF A MIXTURE OF RARE EARTHS.
LYCEN-6538, 83P., DECFMBER 1965. (FRENCH).
INSTITUT DE PHYSIQUE NUCLEAIRE, UNIVERSITE DE
LYON, FRANCE.

1958 KOEHLER, W.
FLUX MEASUREMENTS AND ABSOLUTE CALIBRATIONS AT
FRM.
RES. REACTOR J., 3, NO. 1, 14-19 (OCT. 1962).
(ENGLISH TRANSLATION). LABORATORIUM FUER
TECHNISCHE PHYSIK DER TECHNISCHEN HOCHSCHULE
MUENCHER, GERMANY.

1959 HASKIN, L. * GEHL, M.A.
RARE-EARTH ELEMENTS IN TEKTITES.
SCIENCE, 139, 1056-1058 (15 MARCH 1963).
(ENGLISH). DEPARTMENT OF CHEMISTRY, UNIVERSITY OF
WISCONSIN, MADISON, WISCONSIN.

1960 ALIAN, A. * PARTHASARATHY, R.
NEUTRON ACTIVATION ANALYSIS BY STANDARD ADDITION
AND SOLVENT EXTRACTION.
ANAL. CHIM. ACTA, 35, NO. 1, 69-73 (1966).
(ENGLISH) (FRENCH AND GERMAN SUMMARIES).
ANALYTICAL DIVISION, ATOMIC ENERGY ESTABLISHMENT
TROMBAY, BOMBAY, INDIA.

1961 BAKES, J.M. * JEFFERY, P.G.
THE DETERMINATION OF FLUORINE BY NEUTRON
ACTIVATION.
ANALYST, 91, 216-217 (MARCH 1966). (ENGLISH).
WARREN SPRING LABORATORY, GUNNEL S WOOD ROAD,
STEVENAGE, HERTS., ENGLAND.

1962 CHOY, T.K.
THE DETERMINATION OF GOLD IN COSMIC DUST
COLLECTION BY NUCLEAR ACTIVATION ANALYSIS.
ANAL. CHIM. ACTA, 34, 372-374 (1966). (ENGLISH).
UNIVERSITY OF CALIFORNIA, SAN DIEGO, CALIF.

1963 RAKOVIC, M. * PROCHAZKOVA, Z.
NEW SEPARATION PROCEDURE FOR DETERMINATION OF
POTASSIUM IN BIOLOGIC MATERIAL BY THE METHOD OF
NEUTRON ACTIVATION ANALYSIS.
CESKOSLOVENSKA RADIOLOGIE, 20, NO. 2, 107-112
(1966). (CZECH) (RUSSIAN AND ENGLISH SUMMARIES).
KATEDRA LEKARSKE FYZIKY A NUKLEARNI MEDICINY
FAKULTY VSEOBECNEHO LEKARSTVI KU V PRAZE,
CZECHOSLOVAKIA.

1964 BELKAS, E.P. * SOULIOTIS, A.G.
SIMULTANEOUS DETERMINATION OF IODINE AND BROMINE
IN URINE BY NEUTRON-ACTIVATION ANALYSIS.
ANALYST, 91, 199-204 (MARCH 1966). (ENGLISH).
CHEMISTRY DEPARTMENT, NUCLEAR RESEARCH CENTRE
QUOTE DEMOCRITUS, QUOTE ATHENS, GREECE.

1965 MALVANO, R. * GROSSO, P.
DETERMINATION OF TRACE ELEMENTS IN IRON BY
NEUTRON-ACTIVATION TECHNIQUES.
ANAL. CHIM. ACTA, 34, 253-268 (1966). (ENGLISH)
(FRENCH AND GERMAN SUMMARIES). SORIN, CENTRO
RICERCHE NUCLEARI, SALUGGIA, ITALY.

1966 COCKS, F.H. * ROSE, R.M. * WULFF, J.
SEGREGATION OF TANTALUM AT VERY LOW CONCENTRATIONS
IN NIOBIUM BY CONTROLLED SOLIDIFICATION A
NEUTRON-ACTIVATION STUDY.
J. LESS COMMON METALS, 10, NO. 3, 157-168 (MARCH
1966). (ENGLISH). DEPARTMENT OF METALLURGY, MIT,
CAMBRIDGE, MASS.

1967 CONNER, J.P. * WAGNER, R.T.
ANNIHILATION RADIATION COUNTING FOR NEUTRON
ACTIVATION DETERMINATION.
LAMS-2428, 19P., MAY 18, 1960. (ENGLISH). LOS
ALAMOS SCIENTIFIC LABORATORY, LOS ALAMOS, N.M.

1968 CYPRES, R., * BETTENS, B,
NON-DESTRUCTIVE ANALYSIS, BY WEAK RADIOACTIVATION,
OF SODIUM IN SOLIDS IN THE PRESENCE OF POTASSIUM,
ALUMINUM AND SODIUM,
BULL, SOC, FRANC, CERAM,, NO, 69, 79-88 (1965),
(FRENCH), UNIVERSITE LIBRE DE BRUXELLES,

1969 KIM, J.I. * HOSTE, J.
ACTIVATION ANALYSIS OF MERCURY IN HIGH PURITY
BISMUTH.
ANAL. CHIM. ACTA, 35, NO. 1, 61-68(1966).
(ENGLISH) (FRENCH AND GERMAN SUMMARIES). INSTITUTE
FOR NUCLEAR SCIENCE, GHENT UNIVERSITY, GHENT,
BELGIUM.

1970 MIRO, M. * DE PADOVANI, I.O. * RAMOS, E. * DE VEGA, V.R. * LOWMAN, F.G.
THE DETERMINATION OF STABLE SCANDIUM IN PLANTS, ANIMALS, SEDIMENTS, SANDS, SOILS, ROCKS AND MINERALS BY NEUTRON ACTIVATION ANALYSIS.
ANAL. CHIM. ACTA, 35, NO. 1, 54-60 (1966). (ENGLISH) (FRENCH AND GERMAN SUMMARIES). PUERTO RICO NUCLEAR CENTER, MAYAGUEZ, PUERTO RICO.

1971 SOULIOTIS, A.G. * GRIMANIS, A.P. * TSANOS, N.A.
NON-DESTRUCTIVE NEUTRON ACTIVATION ANALYSIS FOR DETERMINING THE CHLORINE CONTENT OF PAPER PULP.
TALANTA, 13, NO. 1, 158-161 (1966). (ENGLISH) (GERMAN AND FRENCH SUMMARIES). NUCLEAR RESEARCH CENTRE QUOTE DEMOCRITUS QUOTE, ATHENS, GREECE.

1972 RAKOVIC, M. * PROCHAZKOVA, Z.
ACCURACY AND CORRECTNESS OF THE NEUTRON ACTIVATION ANALYSIS OF BIOLOGICAL MATERIAL.
CAS. LEK. CES., 105, NO. 13, 332-335 (1966). (CZECH) (RUSSIAN, ENGLISH AND FRENCH SUMMARIES). KATEDRA LEKARSKE FYZIKY A NUKLEARNI MEDICINY FAKULTY VSEOBECNEHO LEKARSTVI KU, PRAHA, CZECHOSLOVAKIA.

1973 WYTTENBACH, A.
DETERMINATION OF CERTAIN TRACE ELEMENTS IN WATER BY ACTIVATION ANALYSIS.
CHIMIA (AARAU), 20, NO. 4, 119-121 (1966). (GERMAN) (ENGLISH SUMMARY). EIDGENOSSISCHES INSTITUT FUR REAKTORFORSCHUNG, WURENLINGEN (AARGAU), GERMANY.

1974 ZEMAN, A. * RUZICKA, J. * KUVIK, V.
A NEW PRINCIPLE OF ACTIVATION ANALYSIS SEPARATIONS--X. SUBSTOICHIOMETRIC DETERMINATION OF TRACES OF GALLIUM.
TALANTA, 13, NO. 2, 271-275 (1966). (ENGLISH) (GERMAN AND FRENCH SUMMARIES). DEPARTMENT OF NUCLEAR CHEMISTRY, FACULTY OF TECHNICAL AND NUCLEAR PHYSICS, PRAGUE, BREHOVA, CZECHOSLOVAKIA.

1975 HAVEN, M.C. * HAVEN, G.T. * DUNN, A.L.
SIMULTANEOUS DETERMINATION OF CALCIUM, COPPER, MANGANESE, AND MAGNESIUM IN SERUM BY NEUTRON ACTIVATION ANALYSIS.
ANAL. CHEM., 38, NO. 1, 141-143 (JAN. 1966). (ENGLISH). VETERANS ADMINISTRATION HOSPITAL, OMAHA, NEB.

1976 RAUSCHER, H.E.
DETERMINATION OF SODIUM, ARSENIC, COPPER, AND GALLIUM IN TIN OXIDE BY NEUTRON ACTIVATION.
ANAL. CHEM., 38, NO. 3, 519-520 (MARCH 1966).
(ENGLISH). RESEARCH + DEVELOPMENT LABORATORIES, CORNING GLASS WORKS, CORNING, N.Y.

1977 HOWIE, R.A. * MOLOKHIA, M.M. * SMITH, H.
ESTIMATION OF ANTIMONY IN BIOLOGICAL MATERIALS BY NEUTRON ACTIVATION ANALYSIS.
ANAL. CHEM., 37, NO. 8, 1059-1061 (JULY 1965).
(ENGLISH). DEPARTMENT OF FORENSIC MEDICINE, THE UNIVERSITY OF GLASGOW, GLASGOW, W.2, U.K.

1978 MENON, M.P. * CUYPERS, M.Y.
14-M.E.V. NEUTRON ACTIVATION ANALYSIS OF RARE EARTH ELEMENTS IN ORES AND MINERALS.
ANAL. CHEM., 37, NO. 8, 1057-1059 (JULY 1965).
(ENGLISH). ACTIVATION ANALYSIS RESEARCH LABORATORY, TEXAS A+M UNIVERSITY, COLLEGE STATION, TEXAS.

1979 HUNT, L.H. * MILLER, W.W.
ACTIVATION ANALYSIS FOR OXYGEN-18 ISOTOPE ABUNDANCE UTILIZING RECOIL PROTONS.
ANAL. CHEM., 37, NO. 10, 1269-1272 (SEPT. 1965).
(ENGLISH). DEPARTMENT OF CHEMISTRY, THE PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, PA.

1980 LIVINGSTON, H.D. * SMITH, H.
ESTIMATION OF VANADIUM IN BIOLOGICAL MATERIAL BY NEUTRON ACTIVATION ANALYSIS.
ANAL. CHEM., 37, NO. 10, 1285-1287 (SEPT. 1965).
(ENGLISH). DEPARTMENT OF FORENSIC MEDICINE, GLASGOW UNIVERSITY, GLASGOW, W.2,

1981 MOTT, W.E. * ORANGE, J.M.
PRECISION ACTIVATION ANALYSIS WITH 14-MILLION ELECTRON VOLT NEUTRONS.
ANAL. CHEM., 37, NO. 11, 1338-1342 (OCT. 1965).
(ENGLISH). GULF RESEARCH + DEVELOPMENT COMPANY, PITTSBURGH, PA.

1982 MAGNO, P.J. * KNOWLES, F.E., JR.
DETERMINATION OF STRONTIUM IN ENVIRONMENTAL MEDIA USING NEUTRON ACTIVATION.
ANAL. CHEM., 37,NO. 9, 1112-1115 (AUGUST 1965). (ENGLISH). U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, NORTHEASTERN RADIOLOGICAL HEALTH LABORATORY, WINCHESTER, MASS.

1983 DUGAIN, F. * LAVERLOCHERE, J.
DETERMINATION OF MICRO AMOUNTS OF TANTALUM IN NIOBIUM BY USING NEUTRON ACTIVATION AND GAMMA SPECTROMETRY.
ANAL. CHEM., 37, NO. 8, 998-1000 (JULY 1965). (ENGLISH). PECHINEY CIE., L.R.M., GRENOBLE, FRANCE.

1984 ISENHOUR, T.L. * MORRISON, G.H.
MODULATION TECHNIQUE FOR NEUTRON CAPTURE GAMMA RAY MEASUREMENTS IN ACTIVATION ANALYSIS.
ANAL. CHEM., 38, NO. 2, 162-167 (FEBRUARY 1966). (ENGLISH). DEPARTMENT OF CHEMISTRY, CORNELL UNIVERSITY, ITHACA, N.Y.

1985 ISENHOUR, T.L. * MORRISON, G.H.
DETERMINATION OF BORON BY THERMAL NEUTRON ACTIVATION ANALYSIS USING A MODULATION TECHNIQUE.
ANAL. CHEM., 38, NO. 2, 167-169 (FEBRUARY 1966). (ENGLISH). DEPARTMENT OF CHEMISTRY, CORNELL UNIVERSITY, ITHACA, N.Y.

2006 QURESHI, I.H.
RADIOCHEMICAL SEPARATIONS BY AMALGAM EXCHANGE.
TID-18898, 71P., MAY 1963. (ENGLISH). DEPARTMENT OF CHEMISTRY, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN.

2036 VAN ERKELENS, P.C.
RADIOCHEMICAL SEPARATION OF COBALT.
ANAL. CHIM. ACTA, 24, 526-528 (JUNE 1961). (ENGLISH) (FRENCH AND GERMAN SUMMARIES). RESEARCH INSTITUTE FOR ANIMAL HUSBANDRY, SCHOONOORD, UTRECHT, THE NETHERLANDS.

2052 TANAKA, K.
THE SZILARD-CHALMERS REACTION OF SEVERAL NEUTRON-IRRADIATED INORGANIC PHOSPHORUS COMPOUNDS.
BULL. CHEM. SOC. JAPAN, 37, NO. 9, 1346-1352 (SEPTEMBER 1964). (ENGLISH). RADIOISOTOPE REDUCTION LABORATORY, JAPAN ATOMIC ENERGY RESEARCH INSTITUTE, TOKAI-MURA, IBARAKI-KEN, JAPAN.

320-044 O-68—20

2104 MANDLER, J.W. * TERRELL, C.W.
UTILIZATION OF HIGH-YIELD
AMERICIUM-BERYLLIUM-CURIUM NEUTRON SOURCES FOR IN
SITU ELEMENTAL ANALYSIS.
TRANS. AMER. NUCL. SOC., 10, 30 (JUNE 1967).
(ENGLISH). IIT RESEARCH INSTITUTE.

2107 CHARYULU, V. * HORN, M.K.
SIMULATED NEUTRON-ACTIVATION SPECTRA FOR
GEOCHEMICAL ANALYSIS.
TRANS. AMER. NUCL. SOC., 10, 31 (JUNE 1967).
(ENGLISH). UNIVERSITY OF TULSA AND CITIES SERVICE
OIL.

2116 YULE, H.P.
ACTIVATION ANALYSIS WITH SMOOTHER GAMMA-RAY
SPECTRA.
TRANS. AMER. NUCL. SOC., 10, 38 (JUNE 1967).
(ENGLISH). TEXAS A AND M UNIVERSITY, COLLEGE
STATION, TEXAS.

2121 ANDERSEN, G.H. * GAREIS, F.J.
THE POSSIBLE DETECTION OF CYSTIC FIBROSIS BY MEANS
OF THE NEUTRON ACTIVATION ANALYSIS OF FINGERNAILS.
TRANS. AMER. NUCL. SOC., 10, 57 (JUNE 1967).
(ENGLISH). GENERAL ATOMIIS, SAN DIEGO CALIF., AND
U.S. NAVAL HOSPITAL, CAMP PENDLETON.

2122 TWITTY, B.L. * BOBACK, M.W.
THE DETERMINATION OF THORIUM IN URINE BY
THERMAL-NEUTRON ACTIVATION ANALYSIS.
TRANS. AMER. NUCL. SOC., 10, 57-58 (JUNE 1967).
(ENGLISH). NATIONAL LEAD COMPANY OF OHIO.

2123 BABB, A.L. * WOODRUFF, G.L. * MILLER, W.P. *
WILSON, W.E., JR. * POLINSKY, P.D. * DECKER, J.L.
A DIRECT NAA METHOD FOR DETERMINATION OF GOLD IN
SERUM AND URINE SPECIMENS OF PATIENTS WITH
RHEUMATOID ARTHRITIS.
TRANS. AMER. NUCL. SOC., 10, 58 (JUNE 1967).
(ENGLISH). UNIVERSITY OF WASHINGTON, SEATTLE,
WASHINGTON AND NATIONAL INSTITUTES OF HEALTH,
BETHESDA, MARYLAND.

2124 STRAIN, W.H. * ROB, C.G. * POKIES, W.J. * HENNESSEN, J.A. * MONTOYA, J. * BARKER, W. * HASKINS, J.
NUCLEAR METHODS FOR THE STUDY OF ZINC METABOLISM.
TRANS. AMER. NUCL. SOC., 10, 60-61 (JUNE 1967).
(ENGLISH). UNIVERSITY OF ROCHESTER, ROCHESTER, N.Y., AND USAF HOSPITAL WRIGHT-PATTERSON AFB, OHIO.

2125 MILLER, E.B. * KANABROCKI, E.L. * CASE, L.F. * GRAHAM, L. * FIELDS, T. * OESTER, Y.T. * KAPLAN, E.
NONDIALYZABLE MANGANESE AND COPPER IN HUMAN BILE.
TRANS. AMER. NUCL. SOC., 10, 61 (JUNE 1967).
(ENGLISH). VA HOSPITAL, HINES.

2126 ANDERSEN, G.H.
THE INSTRUMENTAL DETERMINATION OF FLUORINE IN BIOLOGICAL MATRICES BY PHOTONUCLEAR ACTIVATION ANALYSIS.
TRANS. AMER. NUCL. SOC., 10, 63 (JUNE 1967).
(ENGLISH). GENERAL ATOMICS, SAN DIEGO, CALIF.

2129 CRAMBES, M. * NARGOLWALLA, S.S. * MAY, L.
ELEMENTAL ANALYSIS OF PROTEINS BY 14-MEV NEUTRON ACTIVATION.
TRANS. AMER. NUCL. SOC., 10, 63-64 (JUNE 1967).
(ENGLISH). NATIONAL BUREAU OF STANDARDS AND CATHOLIC UNIVERSITY, WASHINGTON, D.C.

2141 SMATHERS, J.B. * DUFFEY, D. * LAKSHMANAN, S.
SURVEY OF CHROMATOGRAPHIC PAPERS FOR INTERFERING NUCLIDES IN ACTIVATION ANALYSIS.
TRANS. AMER. NUCL. SOC., 10, 64-65 (JUNE 1967).
(ENGLISH). WALTER REED INSTITUTE, WASHINGTON, D.C., AND UNIVERSITY OF MARYLAND, COLLEGE PARK, MARYLAND.

2143 JERVIS, R.E.
PRESENT STATUS OF HAIR CHARACTERIZATION STUDIES BY ACTIVATION ANALYSIS.
TRANS. AMER. NUCL. SOC., 10, 66 (JUNE 1967).
(ENGLISH). UNIVERSITY OF TORONTO, TORONTO, CANADA.

2144 LUKENS, H.R. * GUINN, V.P.
NEUTRON ACTIVATION ANALYSIS OF BULLET LEAD.
TRANS. AMER. NUCL. SOC., 10, 66-67 (JUNE 1967).
(ENGLISH). GENERAL ATOMICS, SAN DIEGO, CALIF.

2145 THOMAS, C.C., JR. * PILLAY, K.K.S. * SONDEL, J.A. * THOMAS, R.C.
ACTIVATION ANALYSIS OF GUNPOWDER RESIDUES CONTAINING RARE-EARTH TRACERS.
TRANS. AMER. NUCL. SOC., 10, 67 (JUNE 1967).
(ENGLISH). WNY-WRC, AND V.A. HOSPITAL, BUFFALO, N.Y.

2146 GREENWOOD, R.C.
ELEMENTAL ANALYSIS USING THE NEUTRON-CAPTURE GAMMA-RAY TECHNIQUE WITH A GE(LI) DETECTOR.
TRANS. AMER. NUCL. SOC., 10, 28-29 (JUNE 1967).
(ENGLISH). IDAHO NUCLEAR CORPORATION.

2147 DOWNS, W.E.
A LARGE-VOLUME 6 X 10 EXPON 8 THERMAL-NEUTRON FLUX FOR CONTINUOUS PRECISION ANALYSIS AND TRACER PRODUCTION.
TRANS. AMER. NUCL. SOC. 83-84 (JUNE 1967).
(ENGLISH). AECL-CP.

2148 MILENKOVIC, S. * DIZDAR, Z. * SERVIAN, J.L.
SEPARATION OF S-35, P-32 AND CL-36 ON ALUMINA.
BULL. INST. NUCL. SCI. BORIS KIDRICH, 12, NO. 257, 81-88 (OCTOBER 1961). (ENGLISH) (FRENCH AND RUSSIAN SUMMARIES). HOT LABORATORY DEPARTMENT, BELGRADE, YUGOSLAVIA.

2149 MILENKOVIC, S. * TEOFILOVSKI, C. * DIZDAR, Z. * BIRCANIN, L.
A NEW PROCEDURE FOR THE PRODUCTION OF CARRIER FREE S-35.
BULL. INST. NUCL. SCI. BORIS KIDRICH, 12, NO. 258, 89-95 (OCTOBER 1961). (ENGLISH) (FRENCH AND RUSSIAN SUMMARIES). HOT LABORATORY DEPARTMENT, BELGRADE, YUGOSLAVIA.

2154 RUZICKA, J. * STARY, J. * ZEMAN, A.
A NEW PRINCIPLE OF ACTIVATION-ANALYSIS SEPARATIONS. IV. SUBSTOICHIOMETRIC DETERMINATION OF TRACES OF SILVER.
TALANTA, 10, 905-909 (AUGUST 1963). (ENGLISH) (GERMAN AND FRENCH SUMMARIES). DEPARTMENT OF NUCLEAR CHEMISTRY, FACULTY OF TECHNICAL AND NUCLEAR PHYSICS, CHARLES UNIVERSITY PRAHA, BREHOVA, CZECHOSLOVAKIA.

2157 BATE, L.C. * WELLWART, Y. * STOKELY, J.R.
A RAPID CHEMICAL SEPARATION FOR RADIOMANGANESE.
ORNL-TM-438, 11P., DECEMBER 6, 1962. (ENGLISH).
OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

2251 LUKENS, H.R. * MAC KENZIE, J.K.
UTILIZATION OF REACTOR PULSES AND SUB-SECOND HALF
LIVES IN NEUTRON-ACTIVATION ANALYSIS.
TRANS. AMER. NUCL. SOC., 10, 85-86 (JUNE 1967).
(ENGLISH). GENERAL ATOMICS, SAN DIEGO, CALIF.

2252 JOHNSON, R.A.
A VERSATILE GAMMA-RAY ANALYZER SYSTEM FOR
ACTIVATION ANALYSIS.
TRANS. AMER. NUCL. SOC., 10, 86 (JUNE 1967).
(ENGLISH). SHELL OIL COMPANY.

2254 ENGLAND, L.D. * ASHE, J.B. * WILLIAMS, G.H. *
MORGAN, I.L. * BLAKE, K.R.
DEUTERON-INDUCED PROMPT GAMMA-RAY ANALYSIS.
TRANS. AMER. NUCL. SOC., 10, 86-87 (JUNE 1967).
(ENGLISH). TEXAS NUCLEAR.

2259 RICCI, E. * HAHN, R.L.
SIMPLE METHOD TO CALCULATE SENSITIVITIES AND
INTERFERENCES VS BOMBARDMENT ENERGY IN HE-3
ACTIVATION ANALYSIS.
TRANS. AMER. NUCL. SOC., 10, 87-88 (JUNE 1967).
(ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK
RIDGE, TENNESSEE.

2262 SHIKATA, E.
RESEARCH OF RADIOISOTOPE PRODUCTION WITH FAST
NEUTRONS, (VI). PREPARATION OF CU-67.
J. NUCL. SCI. TECHNOL. (TOKYO), 1, NO. 5, 177-180
(AUGUST 1964). (ENGLISH). JAPAN ATOMIC ENERGY
RESEARCH INSTITUTE, TOKAI-MURA, IBARAKI PREF.,
JAPAN.

2272 LUKENS, H.R. * GRABER, F.M. * PERRY, K.I.
ELEMENTAL ANALYSIS BY PHOTONUCLEAR EXCITATION WITH
6-AND 8-MEV BREMSSTRAHLUNG.
TRANS. AMER. NUCL. SOC., 10, 90 (JUNE 1967).
(ENGLISH). GENERAL ATOMICS, SAN DIEGO, CALIF.

2277 PETERSON, S.F. * TERA, F. * MORRISON, G.H.
RAPID MATRIX REMOVAL IN ACTIVATION ANALYSIS BY
ISOTOPIC ION EXCHANGE.
TRANS. AMER. NUCL. SOC., 10, 91 (JUNE 1967).
(ENGLISH). CORNELL UNIVERSITY.

2280 NARGOLWALLA, S.S. * CRAMBES, M.R. * DE VOE, J.R.
A TECHNIQUE FOR THE EVALUATION OF SYSTEMATIC
ERRORS IN THE ACTIVATION ANALYSIS FOR OXYGEN WITH
14 MEV NEUTRONS.
ANAL. CHEM., 40, NO. 4, 666-671 (1968).
(ENGLISH). NATIONAL BUREAU OF STANDARDS,
WASHINGTON, D.C.

2283 HAMAGUCHI, H. * WATANABE, T. * ONUMA, N. *
TOMURA, K. * KURODA, R.
NEUTRON ACTIVIATION ANALYSIS OF SCANDIUM.
ANAL. CHIM. ACTA, 33, 13-20 (1965). (ENGLISH)
(FRENCH AND GERMAN SUMMARIES). DEPARTMENT OF
CHEMISTRY, TOKYO KYOIKU UNIVERSITY, KOISHIKAWA,
TOKYO, JAPAN.

2296 KIESL, W. * SEITNER, H. * KLUGER, F. * HECHT, F.
DETERMINATION OF TRACE ELEMENTS BY CHEMICAL
ANALYSIS AND NEUTRON ACTIVATION IN METEORITES OF
THE COLLECTION OF THE VIENNESE MUSEUM OF NATURAL
HISTORY.
MONATSH. CHEM., 98, NO. 3, 972-992 (1967).
(ENGLISH). ANALYTICAL INSTITUTE OF THE UNIVERSITY
OF VIENNA AND THE REACTOR CENTER SEIBERSDORF OF
THE OSTERREICHISCHE STUDIENGESELLSCHAFT FUR
ATOMENERGIE GES.M.B.H., AUSTRIA.

2297 FUKAO, Y. * MIYOSHI, K. * MIZUGUCHI, H.
RECENT DEVELOPMENT OF ANALYTICAL INSTRUMENTS USING
RADIATION.
TOSHIBA REBIYU, 22, NO. 5, 582-591 (MAY 1967).
(JAPANESE) (ENGLISH SUMMARY). SCIENTIFIC
INSTRUMENTS ENGINEERING DEPARTMENT, TOKYO SHIBAURA
ELECTRIC CO., LTD., TOKYO, JAPAN.

2298 ENGELMANN, C.
USE OF GAMMA-PHOTONS AND CHARGED PARTICLES FOR
DETERMINING VERY LOW TRACES OF B,C,N, AND O,
BULL. SOC. CHIM. FRANCE, NO. 7, 2316-2320 (JULY
1967). (FRENCH). DEPARTEMENT DE METALLURGIE,
SERVICE DE RECHERCHES DE METALLURGIE PHYSIQUE ET
CHIMIQUE, CEN, SACLAY, FRANCE.

2303 KHRISTIANOV, V.K.
PHOTONEUTRON METHOD OF ISOTOPIC ANALYSIS OF
HYDROGEN IN NATURAL WATERS,
ISOTOPENPRAXIS, 3, 235-237 (JUNE 1967).
(RUSSIAN). INSTITUTE OF GEOCHEMISTRY AND
ANALYTICAL CHEMISTRY, MOSCOW, RUSSIA.

2306 GLAZUNOV, M.P. * KODOCHIGOV, P.N. * ORLOV, Y.L.
DETERMINATION OF THE IMPURITIES AND INVESTIGATION
ON THEIR DISTRIBUTION IN DIAMOND CRYSTALS OF
VARIOUS DEPOSITS USING NEUTRON ACTIVATION
ANALYSIS.
ISOTOPENPRAXIS, 3, 231-235 (JUNE 1967).
(RUSSIAN). INSTITUTE OF PHYSICAL CHEMISTRY,
MOSCOW, RUSSIA.

2308 WESTER, P.O.
TRACE ELEMENTS IN HUMAN MYOCARDIAL INFARCTION
DETERMINED BY NEUTRON ACTIVATION ANALYSIS.
AE-188, 35P., MAY 1965. (ENGLISH). AKTIEBOLAGET
ATOMENERGI, STOCKHOLM, SWEDEN.

2317 MEINKE, W.W.
HANDLING AND SEPARATION OF SHORT-LIVED
RADIOISOTOPES FROM RESEARCH REACTORS.
PRODUCTION AND USE OF SHORT-LIVED RADIOISOTOPES
FROM REACTORS. IAEAVIENNA, VOL. I, 93-104, 1963.
(ENGLISH). UNIVERSITY OF MICHIGAN, ANN ARBOR,
MICH.

2318 RAI, L. * DAYAL, N. * BHATNAGAR, A.S.
ASSAY OF BERYL BY PHOTONEUTRON METHOD.
INDIAN J. PURE APPL. PHYS., 5, 183-184 (MAY 1967).
(ENGLISH). ATOMIC MINERALS DIVISION, DEPARTMENT
OF ATOMIC ENERGY, GOVERNMENT OF INDIA, NEW DELHI,
INDIA.

2323 PRICKARTZ, R.
CALCIUM ACTIVATION IN THE DETERMINATION OF THE
DISTRIBUTION OF CEMENT IN CONCRETE.
BAUINGENIEUR, 41, 338-339 (1966). (GERMAN).
AACHEN, GERMANY.

2327 FALCOFF, R. * MAY, S. * PICCOT, D.
DETERMINATION OF ALL THE RARE EARTHS BY NEUTRON
ACTIVATION ANALYSIS. APPLICATIONS TO SOME NUCLEAR
MATERIALS.
BULL. SOC. CHIM. FR., NO. 9, 3257-3266 (1967).
(FRENCH). CENTRE D ETUDES NUCLEAIRES DE SACLAY,
DEPARTEMENT DE PHYSICO-CHIMIE, SERVICE DE PHYSICO
CHIMIE APPLIQUEE, FRANCE.

2333 FEUERSTEIN, H, DETERMINATION OF COPPER, SILVER, GOLD, ZINC, AND ARSENIC IN HUMAN SKIN BY NEUTRON ACTIVATION ANALYSIS, Z, ANAL, CHEM,, 232, NO, 3, 196-197 (1967), (GERMAN), GESELLSCHAFT FUR KERNFORSCHUNG M.B.H., KARLSRUHE, GERMANY,

2335 ALBERT, D, * SCHUMANN, P, DETERMINATION OF A REFERENCE SPECTRUM IN THE INTERNAL REFLECTOR OF THE ROSSENDORF ANNULAR CORE REACTOR RRR BY ACTIVATION FOILS, KERNENERGIE, 10, NO, 10, 306-308 (1967), (GERMAN), ZENTRALINSTITUT FUR KERNFORSCHUNG, BEREICH REAKTORTECHNIK, ROSSENDORF BEI DRESDEN, GERMANY,

2337 PELEKIS, Z.E. * PELEKIS, L.L. * SMIRNOV, V.I. * TAURE, I.Y. NEUTRON ACTIVATION METHOD FOR MEASURING THE WEAR OF ELECTRIC TRAIN GEAR WHEELS. LATV. PSR ZINAT. AKAD. VESTIS, FIZ. TEH. ZINAT. SER., 2, 121-126 (1967). (RUSSIAN) (ENGLISH SUMMARY). INSTITUTE OF PHYSICS, RIGA, RUSSIA.

2338 SMALES, A.A. THE DETERMINATION OF TRACE ELEMENTS IN METEORITES. LAB. PRACT., 16, 701-704, 713 (JUNE 1967). (ENGLISH). ANALYTICAL SCIENCES DIVISION, ATOMIC ENERGY RESEARCH ESTABLISHMENT, HARWELL, ENGLAND.

2340 HAMAGUCHI, H. * TOMURA, K. * ONUMA, N. * HIGUCHI, H. * SUDA, K. DETERMINATION OF INDIUM IN ROCKS BY NEUTRON ACTIVATION ANALYSIS. BUNSEKI KAGAKU, 16, NO. 11, 1233-1238 (1967). (JAPANESE) (ENGLISH SUMMARY). DEPARTMENT OF CHEMISTRY, FACULTY OF SCIENCE, UNIVERSITY OF TOKYO, BUNKYO-KU, TOKYO, JAPAN.

2347 GUNTHER, F.A. * SPENGER, R.E. APPARENT ORGANOBROMINE COMPOUNDS IN HIGHER PLANTS BY NEUTRON-ACTIVATION ANALYSIS. BULL. ENVIRON. CONTAM. TOXICOL., 1, 121-126 (JULY-AUGUST 1966). (ENGLISH). UNIVERSITY OF CALIFORNIA, RIVERSIDE, AND CHEMISTRY DEPARTMENT, CALIFORNIA STATE COLLEGE, FULLERTON, CALIF.

2348 GUINN, V.P. * ANDERSEN, G.H.
PHOTONUCLEAR ACTIVATION ANALYSIS OF GEOLOGIC
SAMPLES USING THE LINAC.
TRANS. AMER. NUCL. SOC., 10, 23-24 (JUNE 1967).
(ENGLISH). GENERAL ATOMIC, SAN DIEGO, CALIF.

2350 GRABER, F.M. * LUKENS, H.R. * MAC KENZIE, J.K.
THE APPLICATION OF LITHIUM-DRIFTED GERMANIUM
DETECTORS TO NEUTRON-ACTIVATION ANALYSIS
NONDESRUCTIVE DETERMINATION OF RE AND EU IN ORES.
TRANS. AMER. NUCL. SOC., 10, 26 (JUNE 1967).
(ENGLISH). GENERAL ATOMIC, SAN DIEGO, CALIF.

2354 VINCENT, H.A. * VOLBORTH, A.
HIGH-PRECISION DETERMINATION OF SILICON IN
GEOLOGICAL SAMPLES BY FAST-NEUTRON-ACTIVATION
ANALYSIS.
TRANS. AMER. NUCL. SOC., 10, 26 (JUNE 1967).
(ENGLISH). UNIVERSITY OF NEVADA.

2358 KRIVANEK, M. * KUKULA, F. * SLUNECKO, J.
SUBSTOICHIOMETRIC DETERMINATION OF COPPER IN
HIGH-PURITY METALS BY ACTIVATION ANALYSIS.
TALANTA, 12, NO. 8, 721-726 (AUGUST 1965).
(ENGLISH) (GERMAN AND FRENCH SUMMARIES).
INSTITUTE FOR NUCLEAR RESEARCH, CZECHOSLOVAK
ACADEMY OF SCIENCES, REZ, CZECHOSLOVAKIA.

2364 REED, J.H. * MANDLER, J.W. * TERRELL, C.W.
COMPOSITIONAL ANALYSIS OF LUNAR AND PLANETARY
SURFACES WITH PULSED 14-MEV NEUTRON-PRODUCED
THERMAL-NEUTRON CAPTURE GAMMA RAYS.
TRANS. AMER. NUCL. SOC., 10, 27 (JUNE 1967).
(ENGLISH). IIT RESEARCH INSTITUTE.

2365 MENON, M.P.
SODIUM SEPARATION.
TEES-2671-4, VI-1-VI-12, JANUARY 1, 1965.
(ENGLISH). TEXAS A AND M UNIVERSITY, COLLEGE
STATION, TEXAS.

2369 NEGINA, V.R. * ZAMYATINA, V.N. *
PRESNYAKOVA, M.A. * CHIKISHEVA, L.A.
THE DETERMINATION OF THE SUM OF RARE-EARTH
ELEMENTS, MANGANESE, NICKEL, COPPER, ANTIMONY,
ARSENIC, MOLYBDENUM, CADMIUM AND GOLD IN LITHIUM
COMPOUNDS BY THE RADIOACTIVATION METHOD.
RADIOCHEMISTRY, USSR, 3, NOS. 3-4, 255-259 (1961).
(ENGLISH TRANSLATION). RUSSIA.

2376 OSBORNE, J.F. * LARRABEE, G.B. * HARRAP, V.
DETERMINATION OF SODIUM IN ULTRAPURE SILICON AND SILICON DIOXIDE FILMS BY ACTIVATION ANALYSIS.
ANAL. CHEM., 39, 1144-1148 (AUGUST 1967).
(ENGLISH). TEXAS INSTRUMENTS INC., DALLAS, TEXAS.

2377 WISH, L.
QUANTITATIVE RADIOCHEMICAL ANALYSES BY ION EXCHANGE. SODIUM AND CESIUM.
USNRDL-TR-485, 14P., NOV. 29, 1960. (ENGLISH).
U.S. NAVAL RADIOLOGICAL DEFENSE LABORATORY, SAN FRANCISCO, CALIF.

2379 WILKNISS, P.E.
RADIOISOTOPES IN PROPELLANT AND EXPLOSIVES TECHNOLOGY.
ATOMPRAXIS, 13, 176-180 (APRIL-MAY 1967).
(ENGLISH). RESEARCH AND DEVELOPMENT DEPARTMENT, U.S. NAVAL PROPELLANT PLANT, INDIAN HEAD, MARYLAND.

2381 REVEL, G. * ALBERT, P.
STUDY OF THE POSSIBILITIES OF DETERMINING OXYGEN IN ZIRCONIUM, MOLYBDENUM, HAFNIUM, AND TUNGSTEN BY IRRADIATION WITH HE-3 AND HE-4 PARTICLES.
J. NUCL. MATER., 25, 87-92 (1968). (FRENCH)
(ENGLISH AND GERMAN SUMMARIES). CNRS, VITRY-SUR-SEINE, FRANCE.

2382 WAHL, W.H. * KRAMER, H.H.
NEUTRON-ACTIVATION ANALYSIS.
SCI. AMER., 216, NO. 4, 68-72, 78-80, 82 (APRIL 1967). (ENGLISH). USA.

2383 GUINN, V.P.
NEUTRON-ACTIVATION ANALYSIS OF METALS AND SEMICONDUCTORS WITH A NUCLEAR REACTOR.
MATERIALS SCIENCE AND TECHNOLOGY FOR ADVANCED APPLICATIONS. GOLDEN GATE METALS CONFERENCE, FEBRUARY 13-15, 1964. AMERICAN SOCIETY OF METALS, BERKELEY, CALIFORNIA, VOL. II, 143-165, 1964.
(ENGLISH). GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORPORATION, SAN DIEGO, CALIF.

2384 TSUJI, H.
RADIOACTIVATION ANALYSIS OF NITROGEN AND PHOSPHORUS WITH 14 MEV NEUTRONS.
BUNSEKI KAGAKU, 15, NO. 3, 263-268 (MARCH 1966). (JAPANESE) (ENGLISH SUMMARY). DEPARTMENT OF CHEMISTRY, FACULTY OF SCIENCE, KONAN UNIVERSITY, KOBE-SHI, JAPAN.

2385 DUTOV, A.G. * LOBANOV, E.M. * LEUSHKINA, G.V. * MATVEEVA, N.P.
DETERMINING LITHIUM BY MEANS OF THE REACTIONS LI-6(N, ALPHA)H-3 AND O-16(T,N)F-18.
IZV. AKAD. NAUK UZB. SSR. SER. FIZ.-MAT. NAUK, NO. 6, 76-78 (1966). (RUSSIAN). INSTITUTE OF NUCLEAR PHYSICS, TASHKENT, RUSSIA.

2386 SIMKOVA, M. * PINKAS, V.
DETERMINATION OF IMPURITIES IN SILICON BY ACTIVATION ANALYSIS.
ISOTOPENPRAXIS, 3, 88-91 (MARCH 1967). (GERMAN). INSTITUT FUR KERNFORSCHUNG, REZ, PRAG, CZECHOSLOVAKIA.

2387 RAKOVIC, M. * PROUZA, Z.
APPLICATION OF THE GROUP METHOD IN THE ANALYSIS OF EXPERIMENTAL DECAY CURVES.
ATOMPRAXIS, 13, 361-362 (AUGUST 1967). (ENGLISH). DEPARTMENT OF MEDICAL PHYSICS AND NUCLEAR MEDICINE OF THE MEDICAL FACULTY, CHARLES UNIVERSITY, PRAGUE, AND THE VETERINARY RESEARCH CENTER, PRAGUE, CZECHOSLOVAKIA.

2391 OAK RIDGE NATIONAL LABORATORY
CHEMICAL SEPARATION OF ISOTOPES.
ORNL-3320, 22-29, UNDATED. (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE.

2403 SAMSAHL, K.
RADIOCHEMICAL METHOD FOR DETERMINATION OF ARSENIC, BROMINE, MERCURY, ANTIMONY, AND SELENIUM IN NEUTRON-IRRADIATED BIOLOGICAL MATERIAL.
ANAL. CHEM., 39, 1480-1483 (OCTOBER 1967). (ENGLISH). AB ATOMENERGI, STOCKHOLM, SWEDEN.

2409 AUCHAPT, J-M.
DETERMINATION OF RADIOELEMENTS BY AUTORADIOGRAPHIE DENSITOMETRY.
CEA-R-3269, 37P., JUNE 1967. (FRENCH) (ENGLISH SUMMARY). COMMISSARIAT A L ENERGIE ATOMIQUE, CENTRE DE PRODUCTION DE PLUTONIUM DE MARCOULE, FRANCE.

2410 PARKER, C.V., JR. * MARTIN, T.C. * BLAKE, K.R. * MORGAN, I.L.
CONTINUOUS NUCLEAR ANALYSIS OF BULK MATERIAL.
MATER. EVAL., 25, 214-220 (SEPTEMBER 1967). (ENGLISH). TEXAS NUCLEAR CORPORATION, AUSTIN, TEXAS.

2418 ISHII, D. * MORI, H. * HIROSE, Y.
DETERMINATION OF OXYGEN IN FERROSILICON BY 14 MEV NEUTRON ACTIVATION ANALYSIS. APPLICATION OF THE GOLD AS INTERNAL STANDARD METHOD.
BUNSEKI KAGAKU, 16, NO. 12, 1370-1373 (1967). (JAPANESE) (ENGLISH SUMMARY). FACULTY OF ENGINEERING, NAGOYA UNIVERSITY, CHIKUSA-KU, NAGOYA-SHI, JAPAN.

2422 BERGNER, P-E.E. * LUSHBAUGH, C.C. * ANDERSON, E.B.
COMPARTMENTS, POOLS, AND SPACES IN MEDICAL PHYSIOLOGY.
CONF-661010, 521P., AUGUST 1967. (ENGLISH). OAK RIDGE, TENNESSEE.

2426 WEY, M-T.
DETERMINATION OF CONTENTS OF MANGANESE AND COPPER DURING THE LIFE CYCLE OF CHLORELLA CELLS BY NEUTRON ACTIVATION ANALYSIS.
HUA HSUEH, NO. 4, 165-169 (1964). (CHINESE) (ENGLISH SUMMARY). DEPARTMENT OF CHEMISTRY, TAIWAN PROVINCIAL NORMAL UNIVERSITY, TAIPEI, TAIWAN, CHINA.

2429 PIERCE, T.B. * PECK, P.F. * CUFF, D.R.A.
APPLICATION OF INELASTIC PROTON SCATTERING TO THE RAPID DETERMINATION OF SILICON IN STEELS.
ANAL. CHIM. ACTA, 39, 433-436 (DECEMBER 1967). (ENGLISH) (FRENCH AND GERMAN SUMMARIES). ANALYTICAL SCIENCES DIVISION, AERE, HARWELL, DIDCOT, BERKS., ENGLAND.

2430 DE NEVE, R. * DE SOETE, D. * HOSTE, J.
NON-DESTRUCTIVE ACTIVATION ANALYSIS OF TRACE IMPURITIES IN GERMANIUM.
ANAL. CHIM. ACTA, 40, NO. 3, 379-386 (1968).
(ENGLISH) (FRENCH AND GERMAN SUMMARIES).
INSTITUTE FOR NUCLEAR SCIENCES, GHENT UNIVERSITY, GHENT, BELGIUM.

2431 BOYADJOV, I. * DE NEVE, R. * HOSTE, J.
DETERMINATION OF RHENIUM IN MOLYBDENITES BY NEUTRON ACTIVATION ANALYSIS.
ANAL. CHIM. ACTA, 40, NO. 3, 373-378 (1968).
(ENGLISH) (FRENCH AND GERMAN SUMMARIES).
INSTITUTE FOR NUCLEAR SCIENCES, GHENT UNIVERSITY, GHENT, BELGIUM.

2433 ENGLAND, E.A.M. * HORNSBY, J.B. * JONES, W.T. * TERREY, D.R.
PRECISE, NON-DESTRUCTIVE DETERMINATION OF FLUORINE BY 14 MEV ACTIVATION ANALYSIS.
ANAL. CHIM. ACTA, 40, NO. 3, 365-371 (1968).
(ENGLISH) (FRENCH AND GERMAN SUMMARIES). ATOMIC WEAPONS RESEARCH ESTABLISHMENT, ALDERMASTON, BERKSHIRE, ENGLAND.

2434 HAHN, K.J. * TUMA, D.J. * QUAIFE, M.A.
SOLVENT EXTRACTION AND DETERMINATION OF MAGNESIUM IN BIOLOGICAL MATERIALS. COMPARATIVE ANALYSIS BY NEUTRON ACTIVATION, ATOMIC ABSORPTION SPECTROPHOTOMETRIC, AND FLUOROMETRIC TECHNIQUES.
TRANS. AMER. NUCL. SOC., 10, 62 (JUNE 1967).
(ENGLISH). VA HOSPITAL, OMAHA, NEBRASKA.

2437 WAKITA, H. * NAGASAWA, H. * UYEDA, S. * KUNO, H.
URANIUM AND THORIUM CONTENTS IN ULTRA-BASIC ROCKS.
EARTH PLANET. SCI. LETT., 2, 377-381 (JULY 1967).
(ENGLISH). JAPAN ATOMIC ENERGY RESEARCH INSTITUTE, HONKOMAGOME, BUNKYO-KU, GAKUSHUIN UNIVERSITY, MEJIRO, AND UNIVERSITY OF TOKYO, HONGO, TOKYO, JAPAN.

2440 HAMADA, S. * TORIZUKA, K. * HAMAMOTO, K. * NAKAGAWA, J. * MORI, T. * MORITA, R. * NAKAGAWA, T. * KONISHI, J. * MIYAKE, T. * FUKASE, M.
DETERMINATION OF PROTEIN-BOUND IODINE (PBI) IN SERA FROM PATIENTS WITH VARIOUS THYROID DISEASES BY NEUTRON ACTIVATION ANALYSIS.
RADIOISOTOPES (TOKYO), 16, 14-18 (JANUARY 1967). (ENGLISH) (JAPANESE SUMMARY). SECOND DIVISION OF INTERNAL MEDICINE AND CENTRAL CLINICAL RADIOISOTOPE DIVISION, KYOTO UNIVERSITY MEDICAL SCHOOL, KYOTO, JAPAN.

2441 MC GONNAGLE, W.J.
NONDESTRUCTIVE REACTOR FUEL ASSAY.
WASH-1076, 96-114, UNDATED. (ENGLISH). ASSOCIATED MIDWEST UNIVERSITIES, ARGONNE, ILLINOIS.

2444 JASKOLSKA, H. * MINCZEWSKI, J.
DETERMINATION OF GALLIUM AND INDIUM BY THE NEUTRON ACTIVATION METHOD.
PAN-205/VIII, 17P., DECEMBER 1960. (ENGLISH) (POLISH AND RUSSIAN SUMMARIES). POLISH ACADEMY OF SCIENCES, INSTITUTE OF NUCLEAR RESEARCH, POLAND.

2445 HAHN, K.J. * TUMA, D.J. * QUAIFE, M.A.
SOLVENT EXTRACTION AND DETERMINATION OF MAGNESIUM IN BIOLOGICAL MATERIALS.
ANAL. CHEM., 39, 1169-1171 (AUGUST 1967). (ENGLISH). SPECIAL LABORATORY OF NUCLEAR MEDICINE AND BIOLOGY, VETERANS ADMINISTRATION HOSPITAL, OMAHA, NEBRASKA.

2447 ALIAN, A. * SHABANA, R.
NEUTRON ACTIVATION ANALYSIS BY STANDARD ADDITION AND SOLVENT EXTRACTION. DETERMINATION OF SOME TRACE ELEMENTS IN GRANITE AND DIABASE ROCKS.
MICROCHEM. J., 12, NO. 3, 427-433 (1967). (ENGLISH). NUCLEAR CHEMISTRY DEPARTMENT, ANALYTICAL DIVISION, ATOMIC ENERGY ESTABLISHMENT, CAIRO, U.A.R.

2450 SCHONFELD, E.
PULSE-HEIGHT ANALYSIS OF GAMMA-RAY SPECTRA OF SAMPLES CONTAINING VERY LOW LEVELS OF RADIOACTIVITY.
NUCL. APPL., 3, 635-636 (OCTOBER 1967). (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE.

2452 YULE, H.P.
INSTRUMENTAL REACTOR NEUTRON ACTIVATION ANALYSIS STUDIES ON 72 ELEMENTS IN A REFINED HYDROCARBON.
NUCL. APPL., 3, 637-640 (OCTOBER 1967).
(ENGLISH). GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORPORATION, SAN DIEGO, CALIF.

2453 VOLBORTH, A. * VINCENT, H.A.
DETERMINATION OF OXYGEN IN USGS ROCK STANDARDS BY FAST-NEUTRON ACTIVATION.
NUCL. APPL., 3, 701-707 (NOVEMBER 1967).
(ENGLISH). UNIVERSITY OF NEVADA, RENO, NEVADA.

2455 BETTERIDGE, D.
THE DETERMINATION OF SELENIUM IN HAIR BY NEUTRON-ACTIVATION ANALYSIS.
AERE-R-4881, 15P., MARCH 1965. (ENGLISH).
CHEMISTRY DIVISION, AERE, HARWELL, BERKSHIRE, ENGLAND.

2464 KUBOTA, M. * TOKUNAGA, O. * NAKAMURA, Y.
DETECTION OF SB AND BA IN GUNPOWDER RESIDUES BY NEUTRON ACTIVATION ANALYSIS.
KAGAKU KEISATSU KENKYUSHO HOKOKU, 19, 261-268 (DECEMBER 1966). (JAPANESE) (ENGLISH SUMMARY).
NATIONAL RESEARCH INSTITUTE OF POLICE SCIENCES, JAPAN.

2473 IYA, V.K. * MANI, R.S. * CHOWDHARY, S.Y.
PREPARATION OF CR-51 OF HIGH SPECIFIC ACTIVITY FOR MEDICAL USE.
PROCEEDINGS OF THE NUCLEAR AND RADIATION CHEMISTRY SYMPOSIUM, 1966. BOMBAY DEPARTMENT OF ATOMIC ENERGY, 244-249, 1966. (ENGLISH). ISOTOPE DIVISION, ATOMIC ENERGY ESTABLISHMENT TROMBAY, BOMBAY, INDIA.

2474 LAVRUKHINA, A.K. * KOLESOV, G.M. * KALICHEVA, I.S. * AKOLZINA, L.D.
ACTIVATION DETERMINATION OF CERIUM, EUROPIUM, SCANDIUM, BARIUM, URANIUM AND PHOSPHORUS IN DARK AND LIGHT VARIETIES OF THE CHONDRITES KUNASHAK AND PERVOMAISKI POSELOK.
GEOKHIMIYA, NO. 3, 281-290 (1966). (RUSSIAN) (ENGLISH SUMMARY). V.I. VERNADSKY INSTITUTE OF GEOCHEMISTRY AND ANLYTICAL CHEMISTRY, ACADEMY OF SCIENCES, USSR, MOSCOW, RUSSIA.

2480 VOIGT, A.F. * JEWETT, G.L. * JACOBSON, E.C. * MALABY, K.L. * WOODS, J.D.
THE DETERMINATION OF TRACE AMOUNTS OF TANTALUM AND TUNGSTEN IN METALS.
IS-1117, 17P., MARCH 1, 1965. (ENGLISH).
INSTITUTE FOR ATOMIC RESEARCH AND DEPARTMENT OF CHEMISTRY, IOWA STATE UNIVERSITY, AMES, IOWA.

2481 MONNIER, D. * HAERDI, W. * LOEPFE, E.
DETERMINATION OF MANGANESE IN NYLON BY THERMAL NEUTRON ACTIVATION.
MITT. GEBIETE LEBENSM. HYG., 56, NO. 4, 292-299 (1965). (FRENCH). FRANCE.

2493 ARMSTRONG, A.A., JR. * BOGDAN, J.F. * CHUGDAR, A.J.
MEASUREMENT OF FIBER BLEND VARIABILITY BY ACTIVATION ANALYSIS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 9-12, APRIL 19-22, 1965. (ENGLISH). NORTH CAROLINA STATE COLLEGE, RALEIGH, N.C.

2494 WOLBERG, J.R.
AN ANALYSIS OF THE TECHNIQUE OF LEAST SQUARES AS RELATED TO GAMMA-RAY SCINTILLATION SPECTROSCOPY.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 13-21, APRIL 19-22, 1965. (ENGLISH).
ISRAEL INSTITUTE OF TECHNOLOGY, DEPARTMENT OF NUCLEAR SCIENCE, HAIFA, ISRAEL.

2495 VOIGT, A.F. * ABU-SAMRA, A.
ANALYSIS OF A DAMASCUS STEEL BY NEUTRON AND GAMMA ACTIVATION.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 22-25, APRIL 19-22, 1965. (ENGLISH).
DEPARTMENTS OF CHEMISTRY AND NUCLEAR ENGINEERING, IOWA STATE UNIVERSITY, AMES, IOWA.

2496 VOIGT, A.F. * JEWETT, G.L. * JACOBSON, E.C. * MALABY, K.L. * WOODS, J.D.
THE DETERMINATION OF TRACE AMOUNTS OF TANTALUM AND TUNGSTEN IN METALS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 26-30, APRIL 19-22, 1965. (ENGLISH).
INSTITUTE FOR ATOMIC RESEARCH AND DEPARTMENT OF CHEMISTRY, IOWA STATE UNIVERSITY, AMES, IOWA.

2497 . DE SOETE, D. * DE NEVE, R. * HOSTE, J.
THE DETERMINATION OF TRACES OF ARSENIC IN GERMANIUM BY NEUTRON ACTIVATION ANALYSIS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 31-38, APRIL 19-22, 1965. (ENGLISH).
LABORATORY FOR ANALYTICAL CHEMISTRY, GHENT UNIVERSITY, GHENT, BELGIUM.

2498 BROADHEAD, K.G. * SHANKS, D.E. * HEADY, H.H.
FAST-NEUTRON ACTIVATION ANALYSIS IN MOLTEN SALT ELECTROMETALLURGICAL RESEARCH.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 39-43, APRIL 19-22, 1965. (ENGLISH). RENO METALLURGY RESEARCH CENTER, BUREAU OF MINES, U.S. DEPARTMENT OF THE INTERIOR, RENO, NEVADA.

2499 WAHL, W.H. * MOLINSKI, V.J. * ARINO, H.
RAPID RADIOCHEMICAL SEPARATION PROCEDURES FOR ACTIVATION ANALYSIS INDICATORS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 44-47, APRIL 19-22, 1965. (ENGLISH).
UNION CARBIDE CORPORATION, MINING AND METALS DIVISION, TUXEDO, N.Y.

2500 PERKINS, R.W. * ROBERTSON, D.E.
SELECTIVE AND SENSITIVE ANALYSIS OF ACTIVATION PRODUCTS BY MULTIDIMENSIONAL GAMMA-RAY SPECTROMETRY.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 48-57, APRIL 19-22, 1965. (ENGLISH).
CHEMISTRY DEPARTMENT, BATTELLE-NORTHWEST LABORATORIES, RICHLAND, WASHINGTON.

2501 BOWEN, H.J.M.
THE PRODUCTION OF HOMOGENEOUS BIOLOGICAL MATERIAL FOR INTERLABORATORY COMPARISON OF ELEMENTARY ANALYSES.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 58-60, APRIL 19-22, 1965. (ENGLISH).
UNIVERSITY OF READING, READING, ENGLAND.

2502 KAWASHIMA, T.
DETERMINATION OF IMPURITIES IN HIGH-PURITY NIOBIUM AND TANTALUM BY RADIOACTIVATION ANALYSIS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 61-65, APRIL 19-22, 1965. (ENGLISH).
RADIATION LABORATORIES, ELECTRICAL COMMUNICATION LABORATORY, TOKAI, IBARAKI, JAPAN.

2503 TOMLINSON, R.H. * DICKSON, R.C.
DETERMINATION OF SELENIUM IN HUMAN TISSUES BY MEANS OF ACTIVATION ANALYSIS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 66-70, APRIL 19-22, 1965. (ENGLISH).
MCMASTER UNIVERSITY, HAMILTON, ONTARIO, CANADA.

2504 MARTIN, T.C. * MORGAN, I.L. * HALL, J.D.
NUCLEAR ANALYSIS SYSTEM FOR COAL.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 71-75, APRIL 19-22, 1965. (ENGLISH).
TEXAS NUCLEAR CORPORATION, AUSTIN, TEXAS.

2505 BLAKE, K.R. * MARTIN, T.C. * MORGAN, I.L. * HOUSTON, C.D.
THE MEASUREMENT OF SURFACE CONTAMINATION OF HIGH-PURITY BERYLLIUM SAMPLES.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 76-81, APRIL 19-22, 1965. (ENGLISH).
TEXAS NUCLEAR CORPORATION, AUSTIN, TEXAS.

2506 VOGT, J.R. * EHMANN, W.D.
THE NONDESTRUCTIVE DETERMINATION OF SILICON AND OXYGEN IN METEORITES BY FAST-NEUTRON ACTIVATION ANALYSIS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 82-85, APRIL 19-22, 1965. (ENGLISH).
UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY.

2507 GRAY, A.L. * METCALF, A.
INDUSTRIAL APPLICATIONS OF NEUTRON ACTIVATION.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 86-90, APRIL 19-22, 1965. (ENGLISH).
PLESSEY-UK LIMITED, HANTS., ENGLAND.

2508 PLANTIN, L-O.
STUDIES OF THE GAMMA SPECTRUM OF NEUTRON IRRADIATED BLOOD.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 91-96, APRIL 19-22, 1965. (ENGLISH). KING GUSTAF V RESEARCH INSTITUTE, STOCKHOLM, SWEDEN.

2509 FILBY, R.H. * BALL, T.K.
ZINC AND BROMINE IN SOME METEORITES BY NEUTRON ACTIVATION ANALYSIS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 97-101, APRIL 19-22, 1965. (ENGLISH). MINERALOGICAL-GEOLOGICAL MUSEUM, UNIVERSITY OF OSLO, OSLO, NORWAY.

2510 STEELE, E.L.
VARIABLE-ENERGY NEUTRON ACTIVATION ANALYSIS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 102-106, APRIL 19-22, 1965. (ENGLISH). GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORPORATION, SAN DIEGO, CALIF.

2511 MARK, H.B., JR. * BERLANDI, F.J. * VASSOS, B.H. * NEAL, T.E.
A NEW APPROACH TO NEUTRON ACTIVATION ANALYSIS THROUGH MICRO AND SUBMICRO ELECTROSEPARATION TECHNIQUES.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 107-114, APRIL 19-22, 1965. (ENGLISH). DEPARTMENT OF CHEMISTRY, THE UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN.

2512 MOTT, W.E. * ORANGE, J.M.
PRECISION ANALYSIS WITH 14-MEV NEUTRONS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 115-119, APRIL 19-22, 1965. (ENGLISH). GULF RESEARCH AND DEVELOPMENT COMPANY, PITTSBURGH, PA.

2513 BOCK-WERTHMANN, W. * SCHULZE, W.
A PAPER-CHROMATOGRAPHIC SEPARATION METHOD FOR ACTIVATION ANALYSIS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 120-122, APRIL 19-22, 1965. (ENGLISH).
HAHN-MEITNER INSTITUT FUR KERNFORSCHUNG, SEKTOR KERNCHEMIE, BERLIN-WANNSEE, GERMANY.

2514 ISENHOUR, T.L. * EVANS, C.A., JR. * MORRISON, G.H.
COMPUTER PROGRAMS TO OPTIMIZE TIMES OF IRRADIATION AND DECAY IN MULTIELEMENT ACTIVATION ANALYSIS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 123-128, APRIL 19-22, 1965. (ENGLISH).
DEPARTMENT OF CHEMISTRY, CORNELL UNIVERSITY, ITHACA, N.Y.

2515 GIJBELS, R. * HOSTE, J.
NEUTRON ACTIVATION ANALYSIS OF IRIDIUM IN OSMIUM AND EXPERIMENTAL STUDY OF THE SECOND-ORDER REACTION.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 129-133, APRIL 19-22, 1965. (ENGLISH).
LABORATORY FOR ANALYTICAL CHEMISTRY, GHENT UNIVERSITY, GHENT, BELGIUM.

2516 WAHLGREN, M. * WING, J. * HINES, J.
A FAST-SUM COINCIDENCE SPECTROMETER AND SENSITIVITY COMPILATION FOR ACTIVATION ANALYSIS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 134-139, APRIL 19-22, 1965. (ENGLISH).
ARGONNE NATIONAL LABORATORY, ARGONNE, ILLINOIS.

2517 BRYAN, D.E. * GUINN, V.P. * SETTLE, D.M.
NEW DEVELOPMENTS IN THE APPLICATION OF NEUTRON ACTIVATION ANALYSIS TO PROBLEMS IN SCIENTIFIC CRIME DETECTION.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 140-145, APRIL 19-22, 1965. (ENGLISH).
GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORPORATION, SAN DIEGO, CALIF.

2518 IDDINGS, F.A.
LIQUID AND PLASTIC SCINTILLATION COUNTING FOR OXYGEN BY NEUTRON ACTIVATION ANALYSIS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 146-148, APRIL 19-22, 1965. (ENGLISH).
ESSO RESEARCH LABORATORIES, HUMBLE OIL AND REFINING CO., BATON ROUGE, LOUISIANA.

2519 IDDINGS, F.A. * WADE, J.T.
A RAPID ACTIVATION ANALYSIS METHOD FOR SODIUM IN ORGANIC MATERIALS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 149-151, APRIL 19-22, 1965. (ENGLISH).
ESSO RESEARCH LABORATORIES, HUMBLE OIL AND REFINING CO., BATON ROUGE, LOUISIANA.

2520 MENON, M.P. * WAINERDI, R.E.
THE REMOVAL OF RADIOSODIUM INTERFERENCE IN NEUTRON ACTIVATION ANALYSIS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 152-156, APRIL 19-22, 1965. (ENGLISH).
ACTIVATION ANALYSIS RESEARCH LABORATORY, TEXAS A AND M UNIVERSITY, COLLEGE STATION, TEXAS.

2521 COHAN, M.D.
ACTIVATION ANALYSIS APPLICATIONS OF AN ON-LINE DIGITAL COMPUTER.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 157-158, APRIL 19-22, 1965. (ENGLISH).
ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE, NATIONAL NAVAL MEDICAL CENTER, BETHESDA, MARYLAND.

2522 BURNETT, W.T., JR. * COHAN, M.D.
THE DESIGN OF APPARATUS FOR POSTIRRADIATION CHEMICAL TREATMENTS IN ACTIVATION ANALYSIS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 159-163, APRIL 19-22, 1965. (ENGLISH).
ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE, NATIONAL NAVAL MEDICAL CENTER, BETHESDA, MARYLAND.

2523 MOISEEV, V.V. * KUZNETSOV, R.A. * KALININ, A.I.
THE RADIOACTIVATION ANALYSIS OF SILICON AND SILICON COMPOUNDS WITH THE SUCCESSIVE USE OF ION-EXCHANGE CHROMATOGRAPHY.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 164-168, APRIL 19-22, 1965. (ENGLISH).
INSTITUTE OF SILICATE CHEMISTRY OF THE ACADEMY OF SCIENCES, LENINGRAD, U.S.S.R.

2524 WALKER, E.J. * EGGEBRAATEN, V.L.
CORRELATION OF PHYSICAL PROPERTIES OF RUBBER WITH NITROGEN CONTENT BY MEANS OF NEUTRON-ACTIVATION ANALYSIS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 169-171, APRIL 19-22, 1965. (ENGLISH).
AERO-SPACE DIVISION, THE BOEING COMPANY, SEATTLE, WASHINGTON.

2525 GIBBONS, D. * LAWSON, D.
THE DETERMINATION OF INDIUM AND THALLIUM IN ZINC AND ZINC SALTS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 172-174, APRIL 19-22, 1965. (ENGLISH).
UNITED KINGDOM ATOMIC ENERGY AUTHORITY, WANTAGE, BERKSHIRE, ENGLAND.

2526 WOOD, J.D.L.H. * DOWNTON, D.W. * BAKES, J.M.
A FAST-NEUTRON ACTIVATION ANALYSIS SYSTEM WITH INDUSTRIAL APPLICATIONS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 175-181, APRIL 19-22, 1965. (ENGLISH).
SERVICES ELECTRONICS RESEARCH LABORATORY, BALDOCK, HERTFORDSHIRE, ENGLAND.

2527 BOUNDEN, J.E. * LOMER, P.D. * WOOD, J.D.L.H.
HIGH-OUTPUT NEUTRON TUBES.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 182-185, APRIL 19-22, 1965. (ENGLISH).
SERVICES ELECTRONICS RESEARCH LABORATORY, BALDOCK, HERTFORDSHIRE, ENGLAND.

2528 SMALES, A.A.
THE PLACE OF ACTIVATION ANALYSIS IN A RESEARCH ESTABLISHMENT DEALING WITH PURE MATERIALS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 186-188, APRIL 19-22, 1965. (ENGLISH).
UNITED KINGDOM ATOMIC ENERGY AUTHORITY, HARWELL, DIDCOT, BERKSHIRE, ENGLAND.

2529 LAM, C.F. * WAINERDI, R.E.
A CSI-NAI DUAL-CRYSTAL COMPTON REDUCTION DETECTOR.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 189-193, APRIL 19-22, 1965. (ENGLISH).
ACTIVATION ANALYSIS RESEARCH LABORATORY, TEXAS A AND M UNIVERSITY, COLLEGE STATION, TEXAS.

2530 LUSSIE, W.G. * BROWNLEE, J.L., JR.
THE MEASUREMENT AND UTILIZATION OF NEUTRON-CAPTURE GAMMA RADIATION.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 194-199, APRIL 19-22, 1965. (ENGLISH).
NUCLEAR ENGINEERING PROGRAM AND DEPARTMENT OF CHEMISTRY AND CHEMICAL ENGINEERING, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS.

2531 RICCI, E. * HAHN, R.L. * STRAIN, J.E. * DYER, F.F.
HE-3 ACTIVATION ANALYSIS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 200-205, APRIL 19-22, 1965. (ENGLISH).
ANALYTICAL CHEMISTRY DIVISION, OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE.

2532 PEISACH, M. * POOLE, D.O.
THE USE OF SEMICONDUCTOR DETECTORS FOR SURFACE ANALYSIS BY ELASTIC SCATTERING OF ACCELERATED CHARGED PARTICLES.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 206-211, APRIL 19-22, 1965. (ENGLISH).
SOUTHERN UNIVERSITIES NUCLEAR INSTITUTE, FAURE, C.P., SOUTH AFRICA.

2533 EMERY, J.F. * DYER, F.F. * ALEXANDER, T. * SCHONFELD, E.
THE EVALUATION OF COMPUTER PROGRAMS FOR GAMMA-RAY SPECTROMETRY IN ACTIVATION ANALYSIS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 212-215, APRIL 19-22, 1965. (ENGLISH).
OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE.

2534 BIRD, E.D. * ELLIS, W.H. * THOMAS, W.C., JR.
ACTIVATION ANALYSIS OF URINE FOR TRACE ELEMENTS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 216-219, APRIL 19-22, 1965. (ENGLISH).
DEPARTMENTS OF MEDICINE AND NUCLEAR ENGINEERING, UNIVERSITY OF FLORIDA, GAINESVILLE, FLORIDA.

2535 KANABROCKI, E.L. * CASE, L.F. * FIELDS, T. * GRAHAM, L. * MILLER, E.B. * OESTER, Y.T. * KAPLAN, E.
MANGANESE AND COPPER CONTENT IN HUMAN-BODY FLUIDS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 220-224, APRIL 19-22, 1965. (ENGLISH).
RADIOISOTOPE SERVICE, VETERANS ADMINISTRATION HOSPITAL, HINES, ILLINOIS.

2536 DE VOE, J.R. * SMITH, G.W.
ACTIVATION-ANALYSIS PROGRAM AND FACILITIES AT THE NATIONAL BUREAU OF STANDARDS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 225-229, APRIL 19-22, 1965. (ENGLISH).
RADIOCHEMICAL ANALYSIS SECTION, ANALYTICAL CHEMISTRY DIVISION, NATIONAL BUREAU OF STANDARDS, WASHINGTON, D.C.

2537 BECKER, D.A. * SMITH, G.W.
DETERMINATION OF TRACE AMOUNTS OF TELLURIUM IN STANDARD REFERENCE MATERIALS BY NEUTRON-ACTIVATION ANALYSIS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 230-235, APRIL 19-22, 1965. (ENGLISH).
RADIOCHEMICAL ANALYSIS SECTION, ANALYTICAL CHEMISTRY DIVISION, NATIONAL BUREAU OF STANDARDS, WASHINGTON, D.C.

2538 SHIDELER, R.W.
INTERFACING A TELETYPEWRITER TO NUCLEAR INSTRUMENTS USED FOR COMPUTER-COUPLED ACTIVATION ANALYSIS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 236-241, APRIL 19-22, 1965. (ENGLISH).
RADIOCHEMICAL ANALYSIS SECTION, ANALYTICAL CHEMISTRY DIVISION, NATIONAL BUREAU OF STANDARDS, WASHINGTON, D.C.

2539 KEENAN, R.G. * MARCUS, J.H. * DE VOE, J.R.
SIMULTANEOUS DETERMINATION OF COPPER AND ZINC IN HUMAN LUNG TISSUE BY NEUTRON-ACTIVATION ANALYSIS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 243-247, APRIL 19-22, 1965. (ENGLISH).
RADIOCHEMICAL ANALYSIS SECTION, ANALYTICAL CHEMISTRY DIVISION, NATIONAL BUREAU OF STANDARDS, WASHINGTON, D.C.

2540 ELLIS, W.H. * FRITZ, G.J. * HAN, I.G.
NEUTRON-ACTIVATION ANALYSIS OF O-18 WITH CHEMICAL SEPARATION.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 248-252, APRIL 19-22, 1965. (ENGLISH).
DEPARTMENTS OF NUCLEAR ENGINEERING AND BOTANY, UNIVERSITY OF FLORIDA, GAINESVILLE, FLORIDA.

2541 CALI, J.P. * WEINER, J.R. * ROCCO, G.G.
THE ACCURACY OF RADIOACTIVATION ANALYSIS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 253-258, APRIL 19-22, 1965. (ENGLISH).
AIR FORCE CAMBRIDGE RESEARCH LABORATORIES, OFFICE OF AEROSPACE RESEARCH, L.G. HANSCOM FIELD, BEDFORD, MASS.

2542 WOOD, D.E. * PASZTOR, L.C.
A COMPARISON OF NEUTRON-ACTIVATION ANALYSIS AND VACUUM-FUSION ANALYSIS OF THE OXYGEN CONTENT OF STEEL.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE. MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 259-264, APRIL 19-22, 1965. (ENGLISH).
KAMAN NUCLEAR, COLORADO SPRINGS, COLORADO.

2543 AUMANN, D.C. * BORN, H.J.
THE DETERMINATION OF SOME LIGHT ELEMENTS BY SECONDARY REACTIONS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE, MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 265-271, APRIL 19-22, 1965. (ENGLISH),
INSTITUT FUR RADIOCHEMIE, TECHNISCHE HOCHSCHULE, MUNCHEN, GERMANY.

2544 SCHULZE, W.
APPLICATION OF COINCIDENCE METHODS IN ACTIVATION ANALYSIS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE, MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 272-278, APRIL 19-22, 1965. (ENGLISH),
FREE UNIVERSITY OF BERLIN, BERLIN, GERMANY.

2545 SCHONFELD, E.
IMPROVED ACCURACY IN DETERMINATION OF RADIONUCLIDE CONCENTRATIONS IN SOLUTIONS CONTAINING FAST-DECAYING ISOTOPES BY LEAST-SQUARES RESOLUTION OF THE GAMMA-RAY SPECTRA.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE, MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 279-283, APRIL 19-22, 1965. (ENGLISH),
OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE.

2546 KEISCH, B. * KOCH, R.C. * LEVINE, A.S.
DETERMINATION OF BIOSPHERIC LEVELS OF I-129 BY NEUTRON-ACTIVATION ANALYSIS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE, MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 284-290, APRIL 19-22, 1965. (ENGLISH),
NUCLEAR SCIENCE AND ENGINEERING CORPORATION, PITTSBURGH, PA.

2547 EULER, B.A. * PHELPS, P.L. * COVELL, D.F.
A FAST-PUNCHED CARD READOUT SYSTEM FOR PULSE-HEIGHT ANALYZERS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE, MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 291-294, APRIL 19-22, 1965. (ENGLISH),
U.S. NAVAL RADIOLOGICAL DEFENSE LABORATORY, SAN FRANCISCO, CALIF.

2548 PERKONS, A.K. * JERVIS, R.E.
HAIR INDIVIDUALIZATION STUDIES,
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE, MODERN
TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION,
TEXAS, 295-303, APRIL 19-22, 1965. (ENGLISH),
DEPARTMENT OF CHEMICAL ENGINEERING AND APPLIED
CHEMISTRY, UNIVERSITY OF TORONTO, AND ATTORNEY
GENERALS LABORATORY, TORONTO, CANADA,

2549 BYRNE, J.T. * ILLSLEY, C.T. * PRICE, H.J.
AN AUTOMATIC SYSTEM FOR THE DETERMINATION OF
OXYGEN IN BERYLLIUM METAL COMPONENTS,
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE, MODERN
TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION,
TEXAS, 304-310, APRIL 19-22, 1965. (ENGLISH),
ROCKY FLATS DIVISION, DOW CHEMICAL COMPANY,
GOLDEN, COLORADO,

2550 ALBERT, P. * CUYPERS, M. * LESBATS, A. *
MIGNONSIN, E.
NEW DEVELOPMENTS IN THE SYSTEMATIC ANALYSIS OF
HIGH PURITY METALS AND ESPECIALLY OF ALUMINUM,
COPPER AND ZIRCONIUM,
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE, MODERN
TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION,
TEXAS, 310-315, APRIL 19-22, 1965. (ENGLISH),
LABORATORY OF ANALYTICAL RADIOCHEMISTRY OF THE
CENTRE D ETUDES DE CHIMIE METALLURGIQUE, CNRS,
VITRY, FRANCE.

2551 KIM, C.K. * MEINKE, W.W.
SIMPLE AND RAPID MAGNESIUM DETERMINATION IN
BIOLOGICAL SAMPLES BY NEUTRON ACTIVATION ANALYSIS,
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE, MODERN
TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION,
TEXAS, 316-318, APRIL 19-22, 1965. (ENGLISH),
DEPARTMENT OF CHEMISTRY, UNIVERSITY OF MICHIGAN,
ANN ARBOR, MICHIGAN,

2552 KLINE, J.R. * BRAR, S.S. * GUSTAFSON, P.F. *
RUST, R.H.
USE OF NEUTRON ACTIVATION ANALYSIS TO DETERMINE
BIOLOGICAL AVAILABILITY OF COPPER IN SOILS AND FOR
NONDESTRUCTIVE ANALYSIS OF SOILS,
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE, MODERN
TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION,
TEXAS, 319-323, APRIL 19-22, 1965. (ENGLISH),
DIVISION OF BIOLOGICAL AND MEDICAL RESEARCH,
ARGONNE NATIONAL LABORATORY, ARGONNE, ILLINOIS.

2553 FULLER, R.K. * O CONNOR, J.D. * LUKENS, H.R. *
FLEISHMAN, D.
NEUTRON ACTIVATION ANALYSIS FOR PLUTONIUM MIXED IN SOIL.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE, MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 324-326, APRIL 19-22, 1965. (ENGLISH),
U.S. NAVAL RADIOLOGICAL DEFENSE LABORATORY, SAN FRANCISCO, CALIF.

2554 KRUGER, P. * LINSTEDT, K.D.
ELECTRON ACTIVATION ANALYSIS FOR THE DETERMINATION OF CARBON IN SUBMICROGRAM QUANTITIES OF VIRUS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE, MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 327-330, APRIL 19-22, 1965. (ENGLISH),
CIVIL ENGINEERING DEPARTMENT, STANFORD UNIVERSITY, STANFORD, CALIF.

2555 ENGELMANN, C. * CABANE, G.
ACTIVATION WITH PHOTONS OR CHARGED PARTICLES FOR THE ANALYSIS OF NONMETALLIC ELEMENTS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE, MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 331-336, APRIL 19-22, 1965. (ENGLISH),
CENTRE D ETUDES NUCLEAIRES DE SACLAY, DEPARTEMENT DE METALLURGIE, SACLAY, FRANCE.

2556 GIRARDI, F. * GUZZI, G. * PAULY, J. * PIETRA, R.
THE USE OF AN AUTOMATED SYSTEM INCLUDING A RADIOCHEMICAL STEP IN ACTIVATION ANALYSIS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE, MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 337-343, APRIL 19-22, 1965. (ENGLISH),
NUCLEAR CHEMISTRY LABORATORIES, CHEMISTRY DEPARTMENT, JOINT NUCLEAR RESEARCH CENTER, EURATOM, ISPRA ESTABLISHMENT, ITALY.

2557 AUBOUIN, G. * DIEBOLT, J. * JUNOD, E. *
LAVERLOCHERE, J.
SOME APPLICATIONS OF ION-EXCHANGE RESINS IN ACTIVATION MICROANALYSIS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE, MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 344-350, APRIL 19-22, 1965. (ENGLISH),
NUCLEAR RESEARCH CENTER, GRENOBLE, FRANCE.

2558 COMAR, D. * LE POEC, C.
ON THE USE OF AN AUTOMATIC CHEMICAL TREATMENT SYSTEM IN ACTIVATION ANALYSIS OF BIOLOGICAL SAMPLES.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE, MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 351-356, APRIL 19-22, 1965. (ENGLISH).
COMMISSARIAT A L ENERGIE ATOMIQUE, DEPARTMENT DE BIOLOGIE, SERVICE HOSPITALIER FREDERIC JOLIOT, ORSAY (S. AND O.), FRANCE.

2559 PRUSSIN, S.G. * HARRIS, J.A. * HOLLANDER, J.M.
APPLICATION OF LITHIUM-DRIFTED GERMANIUM GAMMA-RAY DETECTORS TO NEUTRON ACTIVATION ANALYSIS; NONDESTRUCTIVE ANALYSIS OF ALUMINUM.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE, MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 357-362, APRIL 19-22, 1965. (ENGLISH).
LAWRENCE RADIATION LABORATORY, UNIVERSITY OF CALIFORNIA, BERKELEY, CALIF.

2560 CAPPADONA, C.
MINOR CONSTITUENTS DETERMINATION IN COMPLEX MATERIALS BY ACTIVATION ANALYSIS WITH ISOTOPIC DOUBLE DILUTION FOR REMOVING THE ERRORS DUE TO SELF-SHIELDING, ENHANCEMENT AND NEUTRON RESONANCE.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE, MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 363-364, APRIL 19-22, 1965. (ENGLISH).
ISTITUTO DI APPLICAZIONI E IMPIANTI NUCLEARI, UNIVERSITY OF PALERMO, PALERMO, ITALY.

2561 KIRYANOV, G.I.
INVESTIGATION OF THE CIRCUIT AND CHOICE OF MAIN ELEMENTS OF THE ACCELERATING VOLTAGE SOURCE OF THE PULSE NEUTRON GENERATOR.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE, MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 365-371, APRIL 19-22, 1965. (ENGLISH).
ALL UNION SCIENTIFIC RESEARCH INSTITUTE FOR RADIATION ENGINEERING, S.C.A.E., MOSCOW, RUSSIA.

2562 DE GOEIJ, J.J.M. * HOUTMAN, J.P.W.
OXYGEN DETERMINATION USING TRITON ACTIVATION.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE, MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 372-379, APRIL 19-22, 1965. (ENGLISH).
REACTOR INSTITUTE AT DELFT, DELFT, THE NETHERLANDS.

2563 CHRISTELL, R. * ERWALL, L.G. * LJUNGGREN, K. * SJOSTRAND, B. * WESTERMARK, T.
METHODS OF ACTIVATION ANALYSIS FOR MERCURY IN THE BIOSPHERE AND IN FOODS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE, MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 380-382, APRIL 19-22, 1965. (ENGLISH), ISOTOPES TECHNIQUES LABORATORY, (ITL), STOCKHOLM, SWEDEN.

2564 EGIAZAROV, B.G. * KARPUKHIN, O.A. * MATVEEV, V.V.
PROBLEMS OF APPARATUS DEVELOPMENT FOR NEUTRON ACTIVATION ANALYSIS.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE, MODERN TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION, TEXAS, 383-386, APRIL 19-22, 1965. (ENGLISH), UNION SCIENTIFIC RESEARCH INSTITUTE FOR INSTRUMENTATION ENGINEERING, S.C.A.E., MOSCOW, RUSSIA.

2565 NIXON, G.S. * PAXTON, G.D. * SMITH, H.
ESTIMATION OF MERCURY IN HUMAN ENAMEL BY ACTIVATION ANALYSIS.
J. DENTAL RESEARCH, 44, NO. 4, 654-656 (1965), (ENGLISH). UNIVERSITY OF GLASGOW DENTAL SCHOOL AND DEPARTMENT OF FORENSIC MEDICINE, UNIVERSITY OF GLASGOW, SCOTLAND.

2566 SCHULZE, W.
NEUTRON ACTIVATION AS AN ANALYTICAL METHOD.
DIE CHEMISCHE ANALYSE, BAND 50, 33, 1962, FERDINAND ENKE VERLAG STUTTGART, (GERMAN), UNIVERSITAT BERLIN, GERMANY.

2567 CUYPERS, M. * CUYPERS, J.
GAMMA RAY SPECTRA AND SENSITIVITIES FOR 14 MEV NEUTRON ACTIVATION ANALYSIS.
TEXAS A AND M UNIVERSITY UNNUMBERED REPORT, 270P., APRIL 12, 1966. (ENGLISH). ACTIVATION ANALYSIS RESEARCH LABORATORY, TEXAS A AND M UNIVERSITY, COLLEGE STATION, TEXAS.

2568 KENNA, B.T. * CONRAD, F.J.
TABULATION OF CROSS SECTIONS, Q-VALUES, AND SENSITIVITIES FOR NUCLEAR REACTIONS OF NUCLIDES WITH 14 MEV NEUTRONS.
SC-RR-66-229, 44P., JUNE 1966, (ENGLISH), SANDIA LABORATORY, ALBUQUERQUE, N.M.

2569 WOOD, D.E.
FAST NEUTRON ACTIVATION ANALYSIS FOR NITROGEN IN
GRAIN PRODUCTS.
KN-65-186, 33P., AUGUST 1965. (ENGLISH). KAMAN
NUCLEAR, COLORADO SPRINGS, COLORADO.

2570 FORSHUFVUD, S. * SMITH, H. * WASSEN, A.
NAPOLEONS ILLNESS 1816-1821 IN THE LIGHT OF
ACTIVATION ANALYSES OF HAIRS FROM VARIOUS DATES.
ARCHIV FUR TOXIKOLOGIE, 20, 210-219 (1964).
(ENGLISH). GOTEBORG C, SWEDEN.

2571 SCHULTZ, W.W.
IDENTIFYING PLANT AND ANIMAL DEFICIENCIES BY
RADIOACTIVE MEANS.
U.S. PATENT 3,094,621, JUNE 18, 1963. (ENGLISH).
GENERAL ELECTRIC CO., SCHENECTADY, N.Y.

2572 NIXON, G.S. * SMITH, H.
HAZARD OF MERCURY POISONING IN THE DENTAL SURGERY.
J. ORAL THERAPEUTICS AND PHARMACOLOGY, 1, NO. 5,
512-514 (1965). (ENGLISH). UNIVERSITY OF GLASGOW
DENTAL SCHOOL, GLASGOW, SCOTLAND.

2573 NIXON, G.S. * LIVINGSTON, H.D. * SMITH, H.
ESTIMATION OF MANGANESE IN HUMAN ENAMEL BY
ACTIVATION ANALYSIS.
ARCHIVES ORAL BIOLOGY, 11, 247-252 (1966).
(ENGLISH). UNIVERSITY OF GLASGOW DENTAL SCHOOL,
GLASGOW, SCOTLAND.

2574 PHILLIPS, H.R. * ALEXANDER, J.L. * DREW, D.D.
A NEW PROGRAM FOR THE DIGITAL COMPUTER ANALYSIS OF
PULSE-HEIGHT SPECTRA.
TEES-2671-4, VIII-1--VIII-11, JANUARY 1, 1965.
(ENGLISH). TEXAS ENGINEERING EXPERIMENT STATION,
COLLEGE STATION, TEXAS.

2575 ASHWORTH, M.J. * ABELES, T.P.
NEUTRON ACTIVATION ANALYSIS AND ARCHAEOLOGY.
NATURE, 210, NO. 5031, 9-11 (APRIL 2, 1966).
(ENGLISH). CANADIAN HISTORIC SITES DIVISION,
OTTAWA, CANADA.

2576 KAMAN NUCLEAR
SAMPLE HANDLING SYSTEM ADVANCES ART OF ACTIVATION
ANALYSIS.
KAMAN NUCLEAR TECHNICAL BULLETIN NO. 107, 3P.,
UNDATED. (ENGLISH). KAMAN NUCLEAR, COLORADO
SPRINGS, COLORADO.

2577 WOOD, D.E.
SELECTED REFERENCES FOR NEUTRON ACTIVATION ANALYSIS.
KAMAN NUCLEAR TECHNICAL BULLETIN NO. 108, 11P.,
UNDATED. (ENGLISH), KAMAN NUCLEAR, COLORADO
SPRINGS, COLORADO.

2578 NIESE, S.
ACTIVATION ANALYSIS DETERMINATION OF COPPER,
MANGANESE, NICKEL, IRON, COBALT, AND ZINC IN
SILICON AND GERMANIUM.
REINSTSTOFFE IN WISSENSCHAFT UND TECHNIK,
AKADEMIE-VERLAG, BERLIN, 473-480, 1963. (GERMAN),
ROSSENDORF, GERMANY.

2579 PRUSSIN, S.G. * HARRIS, J.A. * HOLLANDER, J.M.
NONDESTRUCTIVE ACTIVATION ANALYSIS WITH
LITHIUM-DRIFTED GERMANIUM DETECTORS.
UCRL-11828, 197-199, UNDATED. (ENGLISH),
UNIVERSITY OF CALIFORNIA RADIATION LABORATORY,
BERKELEY, CALIF.

2580 WOOD, D.E.
BORON INTERFERENCE IN FAST-NEUTRON ACTIVATION
ANALYSIS FOR OXYGEN.
KAMAN NUCLEAR TECHNICAL NOTE (TN 105), 4P., 10
JUNE 1965. (ENGLISH), KAMAN NUCLEAR, COLORADO
SPRINGS, COLORADO.

2581 LENIHAN, J.M.A.
ACTIVATION ANALYSIS.
NATURE, 207, NO. 4995, 347-349 (1965). (ENGLISH),
WESTERN REGIONAL HOSPITAL BOARD, GLASGOW,
SCOTLAND.

2584 FELDMAN, M.H. * BATTISTONE, G.C.
FLUORINE MICRODETERMINATION BY NEUTRON ACTIVATION
ANALYSIS. APPLICATION TO BACETERIOLOGICAL MEDIA.
J. NUCL. MED., 7, 140-149 (1966). (ENGLISH),
WALTER REED ARMY INSTITUTE, WASHINGTON, D.C.

2585 FELDMAN, M.H. * REBA, R.C. * BATTISTONE, G.C. *
WOODWARD, K.T.
THE APPLICATION OF RADIOACTIVATION ANALYSIS FOR
SELECTED TRACE ELEMENTS IN BIOLOGICAL SAMPLES.
J. NUCL. MED., 6, 344-345 (1965). (ENGLISH),
WALTER REED ARMY INSTITUTE, WASHINGTON, D.C.

2586 VAN WYK, J.M. * CUYPERS, M.Y. * FITE, L.E. * WAINERDI, R.E.
A STUDY OF THE MACROSCOPIC DISTRIBUTION OF OXYGEN IN A STEEL ROD BY NEUTRON-ACTIVATION AND VACUUM FUSION TECHNIQUES.
ANALYST, 91, 316-323 (MAY 1966), (ENGLISH), SOUTH AFRICAN IRON AND STEEL INDUSTRIAL CORPORATION, PRETORIA, SOUTH AFRICA.

2587 JUNOD, E.
ANALYTICAL STUDIES BY ACTIVATION. COUNTING OF SHORT HALF-LIFE RADIONUCLIDES, VOLUME I, PARTS A AND B.
CEA-R 2980, 88P., MARCH 1966, (FRENCH) (ENGLISH SUMMARY). CENTRE D ETUDES NUCLEAIRES DE SACLAY, FRANCE.

2588 OAK RIDGE NATIONAL LABORATORY
ISOTOPE DEVELOPMENT.
ORNL-3650, 221-238, UNDATED, (ENGLISH), OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE.

2589 BROOKHAVEN NATIONAL LABORATORY
PHYSICAL SCIENCES AND ENGINEERING.
BNL-867, 1-117, JULY 1, 1964, (ENGLISH), BROOKHAVEN NATIONAL LABORATORY, UPTON, N.Y.

2590 ARGONNE NATIONAL LABORATORY
ENVIRONMENTAL RADIATION STUDIES.
ANL-6971, 83-88, 1964, (ENGLISH). ARGONNE NATIONAL LABORATORY, ARGONNE, ILLINOIS.

2591 EICHELBERGER, J.F. * GROVE, G.R. * JONES, L.V.
MOUND LABORATORY PROGRESS REPORT FOR JANAUARY 1965.
MLM-1238, 38P., JANUARY 29, 1965, (ENGLISH), MOUND LABORATORY, MIAMISBURG, OHIO.

2592 DE VOE, J.R.
RADIOCHEMICAL ANALYSIS. ACTIVATION ANALYSIS, INSTRUMENTATION, RADIATION TECHNIQUES AND RADIOISOTOPE TECHNIQUES, JULY 1963 TO JUNE 1964.
NATIONAL BUREAU OF STANDARDS TECHNICAL NOTE 248, 83P., AUGUST 21, 1964, (ENGLISH). NATIONAL BUREAU OF STANDARDS, WASHINGTON, D.C.

2593 DE VOE, J.R.
RADIOCHEMICAL ANALYSIS. ACTIVATION ANALYSIS, INSTRUMENTATION, RADIATION TECHNIQUES, AND RADIOISOTOPE TECHNIQUES, JULY 1964-JUNE 1965.
NBS-TN-276, 155P., JANUARY 7, 1966, (ENGLISH).
NATIONAL BUREAU OF STANDARDS, WASHINGTON, D.C.

2595 YULE, H.P. * LUKENS, H.R. * GUINN, V.P.
UTILIZATION OF REACTOR FAST NEUTRONS FOR ACTIVATION ANALYSIS.
GA-5978, 90P., DECEMBER 14, 1964, (ENGLISH).
GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORPORATION, SAN DIEGO, CALIF.

2596 EICHELBERGER, J.F. * GROVE, G.R. * JONES, L.V.
MOUND LABORATORY PROGRESS REPORT FOR NOVEMBER 1964.
MLM-1227, 37P., NOVEMBER 30, 1964, (ENGLISH).
MOUND LABORATORY, MIAMISBURG, OHIO.

2597 STEINNES, E.
DETERMINATION OF TRACE ELEMENTS IN ZONE-REFINED ALUMINUM BY NON-DESTRUCTIVE ACTIVATION ANALYSIS.
KR-92, 12P., FEBRUARY 1965, (ENGLISH). INSTITUTT FOR ATOMENERGI, KJELLER, NORWAY.

2598 STEELE, E.L. * LUKENS, H.R. * GUINN, V.P.
NEUTRON ACTIVATION ANALYSIS PROCEDURES FOR THE DETERMINATION OF OXYGEN IN POTASSIUM.
GA-5982, 51P., DECEMBER 1964, (ENGLISH). GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORPORATION, SAN DIEGO, CALIF.

2599 LEBOEUF, M.B.
OPTIMIZING NEUTRON ACTIVATION ANALYSIS.
TID-21942, 22P., MAY 13, 1965, (ENGLISH). KNOLLS ATOMIC POWER LABORATORY, GENERAL ELECTRIC COMPANY, SCHENECTADY, N.Y.

2600 LYON, W.S.
RADIOACTIVATION ANALYSIS AS AN ANALYTICAL TOOL.
ORNL-P-1237, 25P., 1965, (ENGLISH). ANALYTICAL CHEMISTRY DIVISION, OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE.

2601 KIESL, W, * SORANTIN, H, * BILDSTEIN, H,
ACTIVATION ANALYTICAL DETERMINATION OF THE
IMPURITIES IN ALUMINUM,
SGAE-CH-13/1964, 16P,, 1964, (GERMAN),
OSTERREICHISCHE STUDIENGESELLSCHAFT FUR
ATOMENERGIE, GES. M,B,H,, REAKTORZENTRUM
SEIBERSDORF, AUSTRIA,

2602 GANGADHARAN, S. * KRISHNAMOORTHY IYER, R. *
SANKAR DAS, M,
A CHART OF GAMMA ENERGIES VS, HALF-LIFE FOR
NUCLIDES PRODUCED BY (N,GAMMA) AND (X-X PRIME)
REACTIONS.
AEET/ANAL/32, 9P,, 1964, (ENGLISH), GOVERNMENT
OF INDIA, ATOMIC ENERGY ESTABLISHMENT, TROMBAY,
BOMBAY, INDIA,

2603 ISRAEL ATOMIC ENERGY COMMISSION
RESEARCH LABORATORIES SEMI-ANNUAL REPORT FOR THE
PERIOD JANUARY-JUNE 1964,
IA-984, 191P., NOVEMBER 1964, (ENGLISH), ISRAEL
ATOMIC ENERGY COMMISSION, SOREQ RESEARCH
ESTABLISHMENT, ISRAEL,

2604 BRUNE, D. * DUBOIS, J, * HELLSTROM, S,
IMPROVEMENTS IN APPLIED GAMMA-RAY SPECTROMETRY
WITH GERMANIUM SEMICONDUCTOR DETECTOR,
AE-174, 17P., JANUARY 1965, (ENGLISH),
AKTIEBOLAGET ATOMENERGI, STOCKHOLM, SWEDEN,

2605 BRYAN, D.E. * GUINN, V,P.
USE OF NEUTRON ACTIVATION ANALYSIS IN SCIENTIFIC
CRIME DETECTION, 12-MONTH SUMMARY REPORT FOR THE
PERIOD NOVEMBER 1, 1963-OCTOBER 31, 1964,
GA-6152, 59P., FEBRUARY 15, 1965, (ENGLISH),
JOHN JAY HOPKINS LABORATORY FOR PURE AND APPLIED
SCIENCE, GENERAL ATOMIC DIVISION, SAN DIEGO,
CALIF.

2607 BRYAN, D.E. * GUINN, V,P.
APPLICATION OF NEUTRON ACTIVATION ANALYSIS IN
SCIENTIFIC CRIME DETECTION, 18-MONTH SUMMARY
REPORT FOR THE PERIOD MAY 1, 1962-OCTOBER 31,
1963,
GA-5556, 94P., JULY 27, 1964, (ENGLISH), JOHN JAY
HOPKINS LABORATORY FOR PURE AND APPLIED SCIENCE,
GENERAL ATOMIC DIVISION, SAN DIEGO, CALIF,

2608 DOW CHEMICAL COMPANY
TECHNICAL SERVICES QUARTERLY PROGRESS REPORT FOR DECEMBER 1964-FEBRUARY 1965,
RFP-552, 13P., JUNE 24, 1965, (ENGLISH), THE DOW CHEMICAL COMPANY, ROCKY FLATS DIVISION.

2609 RAAEN, H.P.
ANALYTICAL CHEMISTRY DIVISION ANNUAL PROGRESS REPORT FOR PERIOD ENDING NOVEMBER 15, 1965.
ORNL-3889, 167P., JANUARY 1966, (ENGLISH), OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE.

2610 KIM, J.I. * SPEECKE, A. * HOSTE, J.
NEUTRON ACTIVATION ANALYSIS OF COPPER IN BISMUTH BY GAMMA-GAMMA COINCIDENCE MEASUREMENT.
ANAL. CHIM. ACTA, 33, 123-130 (AUGUST 1965),
(ENGLISH) (FRENCH AND GERMAN SUMMARIES),
INSTITUTE FOR ANALYTICAL CHEMISTRY, UNIVERSITY OF GHENT, GHENT, BELGIUM.

2611 VERBEEK, A.A.
THE DETERMINATION OF NIOBIUM IN STEEL BY NEUTRON ACTIVATION.
ANAL. CHIM. ACTA, 33, 131-137 (AUGUST 1965),
(ENGLISH) (FRENCH AND GERMAN SUMMARIES),
ANALYTICAL CHEMISTRY BRANCH, ATOMIC ENERGY RESEARCH ESTABLISHMENT, HARWELL, BERKS., ENGLAND.

2612 KIM, J.I. * HOSTE, J.
NON-DESTRUCTIVE NEUTRON ACTIVATION DETERMINATION OF SILVER AND ANTIMONY IN BISMUTH BY GAMMA,GAMMA-COINCIDENCE SPECTROMETRY.
ANAL. CHIM. ACTA, 33, 449-458 (OCTOBER 1965),
(ENGLISH) (FRENCH AND GERMAN SUMMARIES),
LABORATORY FOR ANALYTICAL CHEMISTRY, GHENT UNIVERSITY, GHENT, BELGIUM.

2613 KIM, J.I. * HOSTE, J.
DETERMINATION OF ZINC IN HIGH-PURITY BISMUTH BY THERMAL NEUTRON ACTIVATION.
ANAL. CHIM. ACTA, 35, 148-153 (JUNE 1966),
(ENGLISH) (FRENCH AND GERMAN SUMMARIES),
INSTITUTE FOR NUCLEAR SCIENCES, GHENT UNIVERSITY, GHENT, BELGIUM.

2614 OKADA, M.
STUDY ON RAPID ANALYSIS BY RADIOACTIVATION. VII. DETERMINATION OF CHLORINE, BROMINE, RUBIDIUM, YTTRIUM, INDIUM, TUNGSTEN, GOLD AND LEAD BY NEUTRON IRRADIATION.
TOKYO KOGYO SHIKENSHO HOKOKU, 61, 7-10 (JANUARY 1966). (JAPANESE) (ENGLISH SUMMARY). JAPAN.

2615 KOPINECK, H.J. * SOMMERKORN, G. * BASS, R. * PRESSER, G.
DETERMINATION OF THE OXYGEN CONTENT OF STEEL WITH 14-MEV NEUTRONS.
ARCH. EISENHUETTENW., 35, 987-991 (OCTOBER 1964). (GERMAN) (ENGLISH AND FRENCH SUMMARIES). MITTEILUNG AUS DER VERSUCHSANSTALT DER HOESCH AG WESTFALENHUTTE, DORTMUND, GERMANY.

2617 LEIPUNSKAYA, D.I.
THE USE OF NEUTRON BREEDERS AND NEUTRON GENERATORS IN ACTIVATION ANALYSIS (REVIEW).
INDUSTRIAL LABORATORY, USSR, 31, 854-857 (1965). (ENGLISH TRANSLATION). RUSSIA.

2618 PEISACH, M. * PRETORIUS, R.
ISOTOPIC DETERMINATION OF CALCIUM-48 BY PROTON ACTIVATION.
ANAL. CHEM., 38, NO. 8, 956-959 (1966). (ENGLISH). SOUTHERN UNIVERSITIES NUCLEAR INSTITUTE, FAURE, C.P., SOUTH AFRICA.

2619 VEAL, D.J.
NON-DESTRUCTIVE ACTIVATION ANALYSIS OF CRUDE OILS FOR ARSENIC TO ONE PPB AND THE SIMULTANEOUS DETERMINATION OF FIVE OTHER TRACE ELEMENTS.
ANAL. CHEM., 38, NO. 8, 1080-1083 (1966). (ENGLISH). RESEARCH AND DEVELOPMENT DEPARTMENT, PHILLIPS PETROLEUM CO., BARTLESVILLE, OKLAHOMA.

2620 DE LA BARRE, F.
SEALED NEUTRON SOURCE.
GENIE CIVIL, 141, 117-119 (1964). (FRENCH). BUREAU DE DOCUMENTATION TECHNIQUE, LA RADIOTECHNIQUE, FRANCE.

2621 GROSSE-RUYKEN, H. * BOSHOLM, J.
PARTITION CHROMATOGRAPHY OF RARE EARTHS WITH DI-(2-ETHYLHEXYL)-PHOSPHORIC ACID, IV. DETERMINATION OF MICROAMOUNTS OF HOLMIUM IN DYSPROSIUM AND OF LUTETIUM IN YTTERBIUM BY ACTIVATION ANALYSIS.
KERNENERGIE, 8, 224-226 (APRIL 1965). (GERMAN). INSTITUT FUR ANORGANISCHE UND ANORGANISCH-TECHNISCHE CHEMIE, DRESDEN, GERMANY.

2622 GRAY, A.L. * METCALF, A.
IMPROVEMENTS IN OR RELATING TO METHODS OF DETERMINING THE ASH CONTENT OF COAL.
BRITISH PATENT 960,408. JUNE 10, 1964. (ENGLISH). THE PLESSEY CO., LTD., ENGLAND.

2623 HAERDI, W. * VOLDET, P. * MONNIER, D.
ON THE POSSIBILITIES OF THE NONDESTRUCTIVE DETERMINATION OF FLUORINE BY NEUTRON ACTIVATION AND GAMMA SPECTROMETRY OF F-20 OR OF N-16 (HALF LIVES 10.7 AND 7.35 SEC RESPECTIVELY). COMPARATIVE STUDY. APPLICATION TO CRYOLITE.
HELV. CHIM. ACTA, 48, 1776-1781 (OCTOBER 30, 1965). (FRENCH). LABORATORIES DE CHIMIE MINERALE ET DE CHIMIE ANALYTIQUE DE L UNIVERSITE DE GENEVE, ECOLE DE CHIMIE, SWITZERLAND.

2625 LUX, F. * KOHLER, W.
THE ROLE OF THE RESONANCE ACTIVATION INTEGRAL IN THE ACTIVATION ANALYSIS DETERMINATION OF SILVER.
NUKLEONIK, 7, 480-484 (OCTOBER 1965). (GERMAN). INSTITUT FUR RADIOCHEMIE UND PHYSIK-DEPARTMENT, TECHNISCHE HOCHSCHULE MUNCHEN, GERMANY.

2626 HAERDI, W.
ANALYSIS OF ELEMENTS BY GAMMA SPECTROMETRY AFTER NUTRON IRRADIATION. NOMOGRAPHIC DETERMINATION OF THE DOSAGE LIMITS AND THE INTERFERENCE.
NUKLEONIK, 7, 58-64 (FEBRUARY 1965). (FRENCH). LABORATOIRE DE CHIMIE ANALYTIQUE ET DE CHIMIE MINERALE DE L UNIVERSITE ECOLE DE CHIMIE DE GENEVE, SWITZERLAND.

2627 MULLER, G,
SPECIAL METHODS OF STABLE ISOTOPE ANALYSIS,
KERNENERGIE, 8, 265-283 (MAY 1965), (GERMAN),
INSTITUT FUR STABILE ISOTOPE, LEIPZIG, GERMANY,

2628 SCHWEIKERT, E, * ALBERT, P,
RADIOACTIVATION ANALYSIS OF TITANIUM IN ALUMINUM
BY MEANS OF THE REACTION TI-48(P,N)V-48,
COMPT, REND,, SER, C, 262, 87-90 (JANUARY 3,
1966), (FRENCH), CENTRE D ETUDES DE CHIMIE
METALLURGIQUE DU CENTRE NATIONAL DE LA RECHERCHE
SCIENTIFIQUE, VITRY, VAL-DE-MARNE, FRANCE,

2629 SCHWEIKERT, E, * ALBERT, P,
RADIOACTIVATION ANALYSIS OF IRON IN ALUMINUM USING
THE REACTION FE-56(P,N)CO-56,
COMPT, REND,, SER, C, 262, 342-345 (JANUARY 24,
1966), (FRENCH), CENTRE D ETUDES DE CHIMIE
METALLURGIQUE DU C,N,R,S,, VITRY, VAL-DE-MARNE,
FRANCE,

2632 ADLOFF, J-P, * SCHLEIFFER, J-J, * URLACHER, C,
ANALYTICAL APPLICATIONS OF (ALPHA,N) REACTIONS,
BULL, SOC, CHIM, FRANCE, NO, 2, 698-703 (FEBRUARY
1966), (FRENCH), DEPARTEMENT DE CHIMIE
NUCLEAIRE, CENTRE DE RECHERCHES NUCLEAIRES,
STRASBOURGH-CRONENBOURG, FRANCE,

2633 VINCENT, J, * HAUMONT, S, * ROELS, J,
MICROSCOPIC DETERMINATION OF BONE PHOSPHORUS BY
QUANTITATIVE AUTORADIOGRAPHY OF NEUTRON-ACTIVATED
SECTIONS,
J, CELL BIOL,, 24, 31-37 (JANUARY 1965),
(ENGLISH), DEPARTMENT OF ANATOMY AND HISTOLOGY,
LOVANIUM UNIVERSITY AND THE CENTRE TRICO,
LEOPOLDVILLE, REPUBLIC OF THE CONGO,

2634 AMIEL, S, * GAN, R, * NIR, A,
DETERMINATION OF O-18,
BRITISH PATENT 940,056, OCTOBER 23, 1963,
(ENGLISH), REHOVOTH, ISRAEL,

2635 BRUNE, D.
TRANSFER OF ACTIVITIES FROM CONTAINER MATERIAL TO
SAMPLE IN NEUTRON ACTIVATION ANALYSIS,
RADIOCHIM, ACTA, 5, 14-16 (MARCH 1966), (ENGLISH)
(GERMAN AND FRENCH SUMMARIES), AB ATOMENERGI,
STUDSVIK, SWEDEN,

2636 STARK, H. * TURKOWSKY, C.
DETERMINATION OF TRACE CONTENTS OF TH-232 IN
STONES AND MINERALS BY NEUTRON ACTIVATION,
RADIOCHIM. ACTA, 5, 16-18 (MARCH 1966). (GERMAN)
(ENGLISH AND FRENCH SUMMARIES). INSTITUT FUR
RADIOCHEMIE DER TECHNISCHEN HOCHSCHULE MUNCHEN,
GERMANY.

2637 BATTISTONE, G.C. * FELDMAN, M.H.
SAMPLE HANDLING CONVENIENCES FOR ACTIVATION
ANALYSIS.
INTERN. J. APPL. RADIATION AND ISOTOPES , 17,
74-75 (JANUARY 1966). (ENGLISH). DIVISION OF
NUCLEAR MEDICINE, WALTER REED ARMY INSTITUTE OF
RESEARCH, WASHINGTON, D.C.

2638 WESTER, P.O.
CONCENTRATION OF 17 ELEMENTS IN SUB CELLULAR
FRACTIONS OF BEEF HEART TISSUE DETERMINED BY
NEUTRON ACTIVATION ANALYSIS,
BIOCHIM. BIOPHYS. ACTA, 109, NO. 1, 268-283
(1965). (ENGLISH). DEPARTMENT OF MEDICINE,
KAROLINSKA INSTITUTET, SWEDEN.

2639 WESTER, P.O.
CONCENTRATION OF 24 TRACE ELEMENTS IN HUMAN HEART
TISSUE DETERMINED BY NEUTRON ACTIVATION ANALYSIS.
SCAND. J. CLIN. LAB. INVEST., 17, 357-370 (1965).
(ENGLISH). DEPARTMENT OF MEDICINE, KAROLINSKA
INSTITUTET, SERAFIMERLASARETTET, STOCKHOLM,
SWEDEN.

2640 ARTYUKHIN, P.I. * GILBERT, E.N. * PRONIN, V.A.
A RADIOACTIVATION METHOD FOR DETERMINING
IMPURITIES IN STIBIUM.
ZH. ANAL. KHIM., 21, 504-505 (1966). (RUSSIAN)
(ENGLISH SUMMARY). INSTITUTE OF INORGANIC
CHEMISTRY, USSR ACADEMY OF SCIENCES, SIBERIAN
DEPARTMENT, NOVOSIBIRSK, RUSSIA.

2641 PEREZHOGIN, G.A. * ALIMARIN, I.P.
A DETERMINATION OF GOLD IN ROCKS AND METEORITES BY
NEUTRON ACTIVATION.
ZH. ANAL. KHIM., 20, 793-798 (1965). (RUSSIAN)
(ENGLISH SUMMARY). V.I. VERNADSKY INSTITUTE OF
GEOCHEMISTRY AND ANALYTICAL CHEMISTRY, USSR
ACADEMY OF SCIENCES, MOSCOW, RUSSIA.

2642 ROTH, L.J.
ISOTOPES IN EXPERIMENTAL PHARMACOLOGY, CONFERENCE, CHICAGO, JUNE 7-9, 1964.
CHICAGO, THE UNIVERSITY OF CHICAGO PRESS, 502P., 1965, (CONF-640628), (ENGLISH), CHICAGO, ILLINOIS.

2643 OP DE BEECK, J. * SPEECKE, A. * HOSTE, J.
THE PB-204(N,P)TL-204 REACTOR CROSS-SECTION AND THE NEUTRON ACTIVATION ANALYSIS OF THALLIUM IN LEAD.
RADIOCHIM. ACTA, 4, 32-35 (MAY 1965), (ENGLISH) (GERMAN AND FRENCH SUMMARIES), LABORATORY OF ANALYTICAL CHEMISTRY, GHENT UNIVERSITY, BELGIUM.

2644 HERR, W. * WOLFLE, R.
A GAMMA-GAMMA COINCIDENCE ARRANGEMENT FOR ACTIVATION-ANALYSIS DETERMINATION OF TRACE AMOUNTS OF SELENIUM AND IRIDIUM IN MINERALS, NICKEL, IRON, AND PLATINUM METALS.
Z. ANAL. CHEM., 209, 213-226 (FEBRUARY 24, 1965), (GERMAN) (ENGLISH SUMMARY), INSTITUT FUR KERNCHEMIE DER UNIVERSITAT KOLN, GERMANY.

2645 WYTTENBACH, A.
USES OF ACTIVATION ANALYSIS FOR CRIMINAL PROBLEMS, I. CAR PAINT.
NEUE TECH., 7, 85-92 (APRIL 1965), (GERMAN), EIDG. INSTITUT FUR REAKTORFORSCHUNG, WURENLINGEN, GERMANY.

2647 PRO, M. * SCHLESINGER, H. * COHAN, M.
ACTIVATION ANALYSIS OF PHYSICAL EVIDENCE CONNECTED WITH ILLICIT DISTILLERIES.
J. ASSOC. OFFIC. AGR. CHEMISTS, 48, 459-471 (JUNE 1965), (ENGLISH), INTERNAL REVENUE SERVICE, WASHINGTON, D.C.

2648 SCHLESINGER, H.L. * PRO, M.J. * HOFFMAN, C.M. * COHAN, M.
ACTIVATION ANALYSIS OF DRUGS.
J. ASSOC. OFFIC. AGR. CHEM., 48, 1139-1147 (DECEMBER 1965), (ENGLISH), INTERNAL REVENUE SERVICE, WASHINGTON, D.C.

2649 FUJII, I. * MIYOSHI, K, * MUTO, H, * SHIMURA, K,
APPLICATION OF A FAST NEUTRON ACTIVATION METHOD TO
THE DETERMINATION OF OXYGEN IN IRON AND STEEL,
ANAL. CHIM, ACTA, 34, 146-153 (FEBRUARY 1966),
(ENGLISH) (FRENCH AND GERMAN SUMMARIES), CENTRAL
RESEARCH LABORATORY, TOKYO SHIBAURA ELECTRIC CO.,
LTD., KANAGAWA-KEN, TOKYO, JAPAN,

2650 PUTMAN, J.L. * TAYLOR, W.H,
IMPROVEMENTS IN OR RELATING TO METHODS OF AND
MEANS FOR RADIOACTIVATION ANALYSIS,
BRITISH PATENT 824,789, DECEMBER 2, 1959,
(ENGLISH), UKAEA, LONDON, ENGLAND,

2651 CADDOCK, B.D. * DETERDING, J.H,
THE DETERMINATION OF SODIUM IN HEAVY FUEL OILS BY
NEUTRON-ACTIVATION ANALYSIS,
ANALYST, 90, 437-439 (JULY 1965), (ENGLISH),
SHELL RESEARCH LTD., THORNTON RESEARCH CENTRE,
CHESTER, ENGLAND,

2652 PIERCE, T.B. * PECK, P.F. * HENRY, W.M,
THE RAPID DETERMINATION OF CARBON IN STEELS BY
MEASUREMENT OF THE PROMPT RADIATION EMITTED DURING
DEUTERON BOMBARDMENT,
ANALYST, 90, 339-345 (JUNE 1965), (ENGLISH),
ATOMIC ENERGY RESEARCH ESTABLISHMENT, HARWELL,
DIDCOT, BERKS., ENGLAND,

2653 GUINN, V.P.
ADVANCES IN NEUTRON ACTIVATION ANALYSIS,
ISOTOPES RADIATION TECHNOL., 2, NO, 4, 329-339
(SUMMER 1965), (ENGLISH), GENERAL ATOMIC
DIVISION, GENERAL DYNAMICS CORPORATION, SAN DIEGO,
CALIFORNIA.

2654 EL-SHAMY, H.K, * ABDEL-RASSOUL, A.A. * BISHAY, T.Z,
DETERMINATION OF CERTAIN TRACE IMPURITIES IN PURE
LEAD AND ALUMINUM BY ACTIVATION ANALYSIS,
ISOTOPES RADIATION TECHNOL., 2, NO, 4, 348-349
(SUMMER 1965), (ENGLISH), NUCLEAR CHEMISTRY
DEPARTMENT, ATOMIC ENERGY ESTABLISHMENT, INSHAS,
U.A.R.

2655 WIEHART, H,
RADIOISOTOPES IN THE TEXTILE INDUSTRY,
MELIAND TEXTILBER., 45, 187-190 (FEBRUARY 1964),
(GERMAN), DORNBIRN/VORARLBERG, GERMANY,

2656 SKOUGSTAD, M.W. * FISHMAN, M.J.
WATER ANALYSIS.
ANAL. CHEM., 37, 232R-260R (APRIL 1965),
(ENGLISH). U.S. GEOLOGICAL SURVEY, DENVER,
COLORADO.

2657 HOFFMANN, W.
THE DETERMINATION OF BETA EMITTERS WITH THE HELP
OF CHERENKOV RADIATION.
RADIOCHIM. ACTA, 4, 117-119 (AUGUST 1965),
(GERMAN) (ENGLISH AND FRENCH SUMMARIES),
FARBWERKE AG., VORMALS MEISTER LUCIUS AND BRUNING,
FRANKFURT (MAIN)-HOCHST, GERMANY.

2658 NAUMOVA, I.I.
QUANTITATIVE DETERMINATION OF NICKEL AND IRON IN
FERROMAGNETIC FILMS BY NEUTRON ACTIVATION.
RADIOKHIMIYA, 7, 502-504 (1965), (RUSSIAN),
RUSSIA.

2659 CSOKE, A. * PETER, I.
SOME PROBLEMS WITH IN-PILE IRRADIATION FACILITY
FOR ACTIVATION ANALYSIS.
MAGYAR TUD. AKAD. KOZP. FIZ. KUT. INT. KOZLEMEN.,
13, 343-352 (1965), (HUNGARIAN), HUNGARY.

2660 YANSHKEVICH, V.A. * IVANOV, L.I.
QUANTITATIVE ANALYSIS OF COMPLEX GAMMA SPECTRA OF
RADIOACTIVE METALS AND ALLOYS.
INDUSTRIAL LABORATORY, USSR, 31, NO. 6, 858-861
(1965). (ENGLISH TRANSLATION). A.A. BAIKOV
INSTITUTE OF METALLURGY, RUSSIA.

2661 NAUMOVA, I.I.
DETERMINING NITROGEN AND BORON BY FAST-NEUTRON
ACTIVATION.
INDUSTRIAL LABORATORY, USSR, 31, NO. 10, 1508-1509
(1965). (ENGLISH TRANSLATION), RUSSIA.

2662 KRAMER, H.H. * HAMPTON, W.J. * WAHL, W.H.
INTERFERENCE BY (N,P) AND/OR (N,ALPHA) REACTIONS
TO (N, GAMMA) REACTIONS USED IN ACTIVATION
ANALYSIS.
TRANS. AM. NUCL. SOC., 8, 83 (MAY 1965),
(ENGLISH). UNION CARBIDE CORP., NEW YORK, N.Y.

2663 LUKENS, H.R., JR.
SIMPLIFIED ESTIMATION OF UPPER LIMITS IN NEUTRON
ACTIVATION ANALYSIS,
TRANS. AM. NUCL. SOC., 8, 83-84 (MAY 1965).
(ENGLISH). GENERAL ATOMICS, SAN DIEGO,
CALIFORNIA.

2664 BARRY, R.C. * ILIFF, T.L.
NEUTRON-ACTIVATION METHODS USED FOR ROUTINE
CERAMIC COATING TESTING,
TRANS. AM. NUCL. SOC., 8, 85-86 (MAY 1965).
(ENGLISH). ATOMICS INTERNATIONAL, CANOGA PARK,
CALIFORNIA.

2665 HARMISON, L.T. * LAKSHMANAN, S. * DUFFEY, D.
DERIVATIVE ACTIVATION ANALYSIS OF ZINC.
TRANS. AM. NUCL. SOC., 8, 86 (MAY 1965).
(ENGLISH). USA.

2666 NARGOLWALLA, S. * JERVIS, R.E.
CONTINUOUS ANALYSIS OF TRACE FLUORINE BY 14-MEV
NEUTRON ACTIVATION.
TRANS. AM. NUCL. SOC., 8, 86-87 (MAY 1965).
(ENGLISH). UNIVERSITY OF TORONTO, CANADA.

2667 VERNIN, E.
INDUSTRIAL DEVELOPMENT OF ACTIVATION ANALYSIS
EQUIPMENT AND ITS APPLICATIONS,
GIORNATE DELL ENERGIA NUCLEARE 1964, MILAN,
FEDERAZIONE DELLE ASSOCIAZIONI SCIENTIFICHE E
TECNICHE, 209-221, 1965, (FRENCH), SOCIETE
ANONYME DES MACHINES ELECTROSTATIQUES, FRANCE.

2668 BRIL, J. * DUGAIN, F.
DETERMINATION OF OXYGEN IN BERYLLIUM METAL BY
VACUUM FUSION.
J. NUCL. MATER., 16, 162-168 (JUNE 1965).
(FRENCH) (ENGLISH AND GERMAN SUMMARIES).
LABORATORIE DE RECHERCHES D ELECTROCHIMIE ET DES
METAUX NOUVEAUX, COMPAGNIE PECHINEY, GRENOBLE,
FRANCE.

2669 BALL, T.K. * FILBY, R.H.
THE ZINC CONTENTS OF SOME GEOCHEMICAL STANDARDS BY
NEUTRON ACTIVATION AND X-RAY FLUORESCENCE
ANALYSIS.
GEOCHIM. COSMOCHIM. ACTA, 29, 737-740 (JULY 1965).
(ENGLISH). MINERALOGICAL MUSEUM, UNIVERSITY OF
OSLO, OSLO, NORWAY.

2670 GLOS, M.B.,
ACTIVATION ANALYSIS READY FOR ROUTINE USE,
NUCLEONICS, 23, NO. 6, 62-66, 68-70 (JUNE 1965).
(ENGLISH). NUCLEONICS, N.Y.,

2671 TORKO, J.
NON-DESTRUCTIVE DETERMINATION OF TRACES OF SILVER
IN PALLADIUM BY NEUTRON ACTIVATION ANALYSIS,
MAGYAR KEM. LAP., 21, 166-167 (MARCH 1966).
(HUNGARIAN) (ENGLISH SUMMARY), ORSZAGOS
ATOMENERGIA BIZOTTSAG ISOTOP INTEZETE, HUNGARY,

2672 WINCHESTER, J.W. * HASHIMOTO, Y.
PACKAGING LIQUID SAMPLES FOR REACTOR NEUTRON
IRRADIATION,
RADIOCHIM. ACTA, 4, 108-109 (JUNE 1965),
(ENGLISH), DEPARTMENT OF GEOLOGY AND GEOPHYSICS,
M.I.T., CAMBRIDGE, MASSACHUSETTS,

2673 WHITE, J.C. * LYON, W.S.
NUCLEAR AND RADIOCHEMICAL ANALYSES,
ORNL-3889, 48-70, UNDATED. (ENGLISH), OAK RIDGE
NATIONAL LABORATORY, OAK RIDGE, TENNESSEE,

2674 SHCHIOKAVA, T.
USE OF COCKROFT-WALTON ACCELERATOR FOR
RADIOACTIVATION ANALYSIS,
GENSHIRYOKU KOGYO, 9, NO. 6, 36-38 (1963),
(JAPANESE), JAPAN,

2675 RIGA, USSR
NUCLEAR SPECTROSCOPY AND NEUTRON ACTIVATION
ANALYSIS,
RIGA, USSR, IZDATELSTVO ZINATNE, 84P., 1965.
(RUSSIAN), RUSSIA,

2676 KRAMER, H.H. * WAHL, W.H.
FORMATION OF SELENIUM-77M, STRONTIUM-87M,
CADMIUM-111M AND BARIUM-137M BY REACTOR SPECTRUM
NEUTRONS FOR USE IN ACTIVATION ANALYSIS,
NUCL. SCI. ENG., 22, NO. 3, 373-382 (1965).
(ENGLISH), UNION CARBIDE CORPORATION-MINING AND
METALS DIVISION, TUXEDO, N.Y.,

2678 NICKEL, H. * ROTTMANN, J. * STOCKER, H-J. * KOSTER-PFLUGMACHER, A. * FROHBERG, M.G.
DETERMINATION OF THE OXYGEN CONTENT OF STEEL AND METAL POWDERS WITH 14.5 MEV NEUTRONS.
ARCH. EISENHUETTENW., 35, 637-647 (JULY 1964).
(GERMAN) (ENGLISH AND FRENCH SUMMARIES). INSTITUT FUR REAKTORWERKSTOFFE, KERNFORSCHUNGSANLAGE JULICH, GERMANY.

2680 ROMMEL, M.A. * KELLER, R.A.
THE IN SITU IDENTIFICATION OF PHOSPHATE SPECIES IN MULTI-SPOT CHROMATOGRAMS BY NEUTRON ACTIVATION ANALYSIS.
J. CHROMATOG., 18, NO. 2, 349-358 (1965).
(ENGLISH). DEPARTMENT OF CHEMISTRY, UNIVERSITY OF ARIZONA, TUCSON, ARIZONA.

2681 RAKOVIC, M.
PROBLEMS OF INTERFERENCE IN NEUTRON ACTIVATION ANALYSIS.
CHEM. LISTY, 59, 1038-1046 (SEPTEMBER 1965).
(CZECH). KATEDRA LEKARSKE FYSIKY A NUKLEARNI MEDICINY FAKULTY VSEOBECNEHO LEKARSTVI, KARLOVY UNIVERSITY, PRAHA, CZECHOSLOVAKIA.

2682 LYON, W.S. * RICCI, E. * ROSS, H.H.
NUCLEONICS.
ANAL. CHEM., 38, NO. 5, 251R-261R (APRIL 1966).
(ENGLISH). ANALYTICAL CHEMISTRY DIVISION, OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

2683 MOTOJIMA, K. * HASHITANI, H. * BANDO, S. * YOSHIDA, H.
USE OF EXTRACTION-PHOTOMETRIC TECHNIQUE IN ACTIVATION ANALYSIS. DETERMINATION OF GALLIUM AND INDIUM IN ALUMINUM AND ZINC.
JAERI 1148, 11P., JUNE 1967. (ENGLISH) (JAPANESE SUMMARY). DIVISIOON OF RESEARCH, TOKAI RESEARCH ESTABLISHMENT, JAPAN ATOMIC ENERGY RESEARCH INSTITUTE, JAPAN.

2684 CALDWELL, R.L. * MILLS, W.R., JR. * ALLEN, L.S. * BELL, P.R. * HEATH, R.L.
COMBINATION NEUTRON EXPERIMENT FOR REMOTE ANALYSIS.
SCIENCE, 152, 457-465 (APRIL 22, 1966).
(ENGLISH). SOCONY MOBIL OIL COMPANY, INC., DALLAS, TEXAS.

2685 ROJAS, M.A. * DYER, I.A. * CASSATT, W.A.
DETERMINATION OF MANGANESE IN BONE BY NEUTRON ACTIVATION ANALYSIS,
ANAL. CHEM., 38, 788-789 (MAY 1966), (ENGLISH).
WASHINGTON STATE UNIVERSITY, PULLMAN, WASHINGTON,

2686 BENJAMIN, R.W. * BLAKE, K.R. * MORGAN, I.L.
HIGH SENSITIVITY OXYGEN ANALYSIS OF METALLIC SAMPLES WITH FAST NEUTRONS,
ANAL. CHEM., 38, 947-949 (JUNE 1966), (ENGLISH).
TEXAS NUCLEAR CORP., AUSTIN, TEXAS,

2687 CORLESS, J.T.
DETERMINATION OF CA-48 IN NATURAL CALCIUM BY NEUTRON ACTIVATION ANALYSIS,
ANAL. CHEM., 38, 810-813 (JUNE 1966), (ENGLISH).
GRADUATE SCHOOL OF OCEANOGRAPHY, UNIVERSITY OF RHODE ISLAND, KINGSTON, R.I.,

2688 LAMB, J.F. * PRUSSIN, S.G. * HARRIS, J.A. * HOLLANDER, J.M.
APPLICATION OF LITHIUM-DRIFTED GERMANIUM GAMMA-RAY DETECTORS TO NEUTRON ACTIVATION ANALYSIS, NONDESTRUCTIVE ANALYSIS OF A SULFIDE ORE,
ANAL. CHEM., 38, 813-818 (JUNE 1966), (ENGLISH).
LAWRENCE RADIATION LABORATORY, UNIVERSITY OF CALIFORNIA, BERKELEY, CALIF,

2689 YULE, H.P.
REACTOR NEUTRON ACTIVATION ANALYSIS, INSTRUMENTAL SENSITIVITIES IN SIX MATRIX MATERIALS,
ANAL. CHEM., 38, 818-821 (JUNE 1966), (ENGLISH).
GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORPORATION, SAN DIEGO, CALIF,

2690 ARINO, H. * KRAMER, H.H. * MOLINSKI, V.J. * TILBURY, R.S. * WAHL, W.H. * STIER, P.M.
RESEARCH IN ACTIVATION ANALYSIS, FINAL REPORT, AUGUST 1, 1963-OCTOBER 31, 1964,
NYO-10175, 130P., DECEMBER 31, 1964, (ENGLISH).
NUCLEAR DIVISION, UNION CARBIDE CORPORATION, TUXEDO, N.Y.,

2691 MC GUIRE, S.W. * HARTLEY, H.O. * WAINERDI, R.E.
AN IMPROVED MODEL FOR THE LEAST-SQUARES ANALYSIS OF GAMMA-RAY SPECTRA IN ACTIVATION ANALYSIS,
TRANS. AM. NUCL. SOC., 8, 325 (NOVEMBER 1965),
(ENGLISH). TEXAS A AND M, COLLEGE STATION, TEXAS,

2692 POLLACK, L.R.
RECOMMENDED DELAY IN COUNTING AFTER NEUTRON ACTIVATION.
TRANS. AM. NUCL. SOC., 8, 325-326 (NOVEMBER 1965),
(ENGLISH). SAN FRANCISCO NAVAL SHIPYARD, SAN FRANCISCO, CALIF.

2693 WINCHESTER, J.W.
NEUTRON ACTIVATION ANALYSIS OF HALOGENS IN THE ATMOSPHERE.
TRANS. AM. NUCL. SOC., 8, 326-327 (NOVEMBER 1965),
(ENGLISH). MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MASS.

2694 SCHROEDER, G.L. * KRANER, H.W. * EVANS, R.D.
THE APPLICATION OF LITHIUM-DRIFTED GERMANIUM DETECTORS TO NEUTRON ACTIVATION ANALYSIS--STUDIES IN GEOCHEMISTRY AND OF 15TH CENTURY PRINTING.
TRANS. AM. NUCL. SOC., 8, 327 (NOVEMBER 1965),
(ENGLISH). MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MASS.

2695 OUELLETTE, R.P. * BALCIUS, J.F. * BROWNELL, G.L.
THE DETERMINATION OF IODINATED COMPOUNDS BY NEUTRON ACTIVATION OF I-129-DESCRIPTION OF THE TECHNIQUE.
TRANS. AM. NUCL. SOC., 8, 330-331 (NOVEMBER 1965),
(ENGLISH). MASSACHUSETTS GENERAL HOSPITAL, BOSTON, MASS.

2696 LUKENS, H.R. * HEYDORN, K. * CHOY, T.
THE DETERMINATION OF VANADIUM IN BLOOD BY NEUTRON ACTIVATION ANALYSIS WITH PREIRRADIATION SEPARATION.
TRANS. AM. NUCL. SOC., 8, 331 (NOVEMBER 1965),
(ENGLISH). GENERAL ATOMIC, SAN DIEGO, CALIF.

2697 TILBURY, R.S. * WAHL, W.H.
ACTIVATION ANALYSIS BY HIGH-ENERGY PARTICLES.
NUCLEONICS, 23, NO. 9, 70-78 (SEPTEMBER 1965),
(ENGLISH). UNION CARBIDE CORPORATION, TUXEDO, N.Y.

2698 PARR, R.M.
MEASURING RADIOISOTOPES IN BIOMEDICAL SAMPLES.
NUCLEONICS, 23, NO. 9, 56-60, 62 (SEPTEMBER 1965),
(ENGLISH). INTERNATIONAL ATOMIC ENERGY AGENCY, VIENNA, AUSTRIA.

2699 BATE, L.C. * DYER, F.F.
TRACE ELEMENTS IN HUMAN HAIR.
NUCLEONICS, 23, NO. 10, 74-78, 80-81 (OCTOBER 1965). (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE.

2701 SOULIOTIS, A.G. * GRIMANIS, A.P. * TSANOS, N.A.
DETERMINATION OF CHLORIDE IN BEER BY RADIOACTIVATION ANALYSIS.
ANALYST, 90, 499-501 (AUGUST 1965). (ENGLISH). CHEMISTRY DEPARTMENT, NUCLEAR RESEARCH CENTER, DEMOCRITUS, ATHENS, GREECE.

2702 FITE, L.E.
MARK II AUTOMATIC COMPUTER - COUPLED ACTIVATION ANALYSIS SYSTEM.
TEES-2671-4, II-1-II,81, JANUARY 1, 1965 (ENGLISH). TEXAS A AND M UNIVERSITY, COLLEGE STATION, TEXAS.

2703 WILKINS, W.W.
COMMUNICATION THEORY IN NEUTRON ACTIVATION ANALYSIS.
TEES-2671-4, III-1-III-39, JANUARY 1, 1965. (ENGLISH). TEXAS A AND M UNIVERSITY, COLLEGE STATION, TEXAS.

2704 LAM, C.F.
DETECTOR RESEARCH.
TEES-2671-4, IV-1-IV-14, JANUARY 1, 1965. (ENGLISH). TEXAS A AND M UNIVERSITY, COLLEGE STATION, TEXAS.

2705 TO-ON, M.
THE DETERMINATION OF PHOSPHORUS BY FAST NEUTRON ACTIVATION ANALYSIS.
TEES-2671-4, V-1-V-37, JANUARY 1, 1965. (ENGLISH). TEXAS A AND M UNIVERSITY, COLLEGE STATION, TEXAS.

2706 SMITH, L.H. * HARTLEY, H.O.
APPLICATION OF LINEAR ESTIMATION TO A CHEMICAL MIXTURE PROBLEM.
TEES-2671-4, VII-1-VII-41, JANUARY 1, 1965. (ENGLISH). TEXAS A AND M UNIVERSITY, COLLEGE STATION, TEXAS.

2707 JIMENEZ, P. * CUYPERS, M.Y.
PUBLIC BENEFIT UTILIZATIONS.
TEES-2671-4, IX-1-IX-45, JANUARY 1, 1965. (ENGLISH). TEXAS A AND M UNIVERSITY, COLLEGE STATION, TEXAS.

2710 CANADIAN CHEMICAL PROCESSING
P-I-N DIODES PINPOINT GAMMA RADIATION,
CAN. CHEM. PROCESS, 49, 77-78, 80, 82 (FEBRUARY 1965), (ENGLISH), CANADA,

2711 KAMADA, H, * UJIHARA, Y, * FUKUDA, K, * KEIMATSU, S, * TSURUMI, Y,
NEUTRON ACTIVATION ANALYSIS FOR TRACES OF SODIUM IN POLYCARBONATE,
BULL. CHEM. SOC. JAPAN, 38, 1220-1221 (JULY 1965), (ENGLISH). DEPARTMENT OF INDUSTRIAL CHEMISTRY, FACULTY OF ENGINEERING, THE UNIVERSITY OF TOKYO, HONGO, TOKYO, JAPAN,

2712 ROMMEL, H,
DETERMINATION OF BORON IN SILICON AND GERMANIUM BY PROTON AND DEUTERON ACTIVATION,
ANAL. CHIM. ACTA, 34, NO, 4, 427-446 (1966), (GERMAN). (ENGLISH AND FRENCH SUMMARIES), DEUTSCHE AKADEMIE DER WISSENSCHAFTEN ZU BERLIN, GERMANY,

2713 NIZET, G, * FOUARGE, J, * DUYCKAERTS, G,
DETERMINATION OF COPPER TRACES IN HIGH PURITY ARSENIC, BY NEUTRON ACTIVATION,
ANAL. CHIM. ACTA, 35, NO, 3, 370-375 (1966), (FRENCH) (ENGLISH AND GERMAN SUMMARIES), LABORATOIRE DE CHIMIE NUCLEAIRE, INSTITUT DE CHIMIE ET METALLURGIE, UNIVERSITE DE LIEGE, LIEGE, BELGIUM,

2714 TRAVESI, A. * PALOMARES, J, * DOMINGUEZ, G,
NEUTRON ACTIVATION ANALYSIS OF MICROGRAM AMOUNTS OF THORIUM IN URANIUM ORES AND PROCESS LIQUORS BY MEANS OF THORIUM-233,
ANAL. CHIM. ACTA, 35, NO, 4, 421-426 (1966), (ENGLISH) (FRENCH AND GERMAN SUMMARIES), RADIOCHEMISTRY SECTION, DIVISION OF CHEMISTRY AND ISOTOPES, JUNTA DE ENERGIA NUCLEAR, MADRID, SPAIN,

2715 OP DE BEECK, J, * HOSTE, J,
THE SIMULTANEOUS DETERMINATION OF SILVER, GOLD AND MERCURY IN HIGH PURITY LEAD BY NEUTRON ACTIVATION ANALYSIS,
ANAL. CHIM. ACTA, 35, NO, 4, 427-440 (1966), (ENGLISH) (FRENCH AND GERMAN SUMMARIES), INSTITUTE FOR NUCLEAR SCIENCES, GHENT UNIVERSITY, GHENT, BELGIUM,

2716 OKADA, M.
THE GAMMA CHARTS OF SHORT-LIVED NUCLIDES FORMED BY NEUTRON ACTIVATION.
BULL. CHEM. SOC. JAPAN, 39, NO. 6, 1340-1341 (1966). (ENGLISH). GOVERNMENT CHEMICAL INDUSTRIAL RESEARCH INSTITUTE, TOKYO, SHIBUYA-KU, TOKYO, JAPAN.

2717 RYCHKOV, R.S. * BERKUTOVA, I.D. * GLUKHAREVA, N.A. * GOFMAN, A.K. * KUZNETSOVA, G.A. * SMIRNOVA, N.B.
RADIOACTIVITY-BASED METHODS OF DETERMINING MICROIMPURITIES IN MATERIALS USED IN SEMICONDUCTOR PRODUCTION.
AEC-TR-6466/1, 260-267, UNDATED. (ENGLISH TRANSLATION). RUSSIA.

2718 SAMSAHL, K.
AN AUTOMATED ANION-EXCHANGE METHOD FOR THE SELECTIVE SORPTION OF FIVE GROUPS OF TRACE ELEMENTS IN NEUTRON-IRRADIATED BIOLOGICAL MATERIAL.
NUKLEONIK, 8, NO. 5, 252-256 (JUNE 1966). (ENGLISH). AB ATOMENERGI, NYKOPING, SWEDEN.

2719 FERGUSSON, A.G. * DEWAR, W.A. * DERBLAY, P.R. * LENIHAN, J.M.A. * SMITH, H.
ARSENIC IN SKIN OF PATIENTS SUFFERING FROM LICHEN PLANUS AND FROM MULTIPLE SUPERFICIAL EPITHERLIOMATOSIS. FURTHER STUDIES BY THE METHOD OF ACTIVATION ANALYSIS.
PROCEEDINGS OF THE XIITH INTERNATIONAL CONGRESS OF DERMATOLOGY, WASHINGTON, VOL. I, 312-315 (1962). (ENGLISH). DEPARTMENTS OF DERMATOLOGY AND FORENSIC MEDICINE, STOBHILL HOSPITAL AND UNIVERSITY OF GLASGOW, AND REGIONAL PHYSICS DEPARTMENT, WESTERN REGIONAL HOSPITAL BOARD, GLASGOW, SCOTLAND.

2720 SENFTLE, F.E. * HOYTE, A.F.
MINERAL EXPLORATION AND SOIL ANALYSIS USING IN SITU NEUTRON ACTIVATION.
NUCL. INSTR. METHODS, 42, NO. 1, 93-103 (1966). (ENGLISH). U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C.

2721 ALIMARIN, I.P, * YAKOVLEV, Y.V, *
SHCHULEPNIKOV, M.N, * PEREZHOGIN, G.P,
MEASUREMENT OF SMALL AMOUNTS OF IMPURITIES IN THALLIUM, GALLIUM, PHOSPHORUS AND ANTIMONY BY RADIOACTIVATION ANALYSIS,
AEC-TR-6466/1, 288-292, UNDATED, (ENGLISH TRANSLATION), RUSSIA,

2722 HARMISON, L.T, * LAKSHMANAN, S, * DUFFEY, D,
DERIVATIVE NEUTRON ACTIVATION ANALYSIS,
AED-CONF-65-125-44, GMELIN, AMERICAN NUCLEAR SOCIETY, 11TH ANNUAL MEETING, GATLINBURG, TENN,, 10P,, JUNE 1965, (ENGLISH), HITTMAN ASSOCIATES INC,, BALTIMORE, MARYLAND,

2723 PFREPPER, G, * KOCH, H,
NEUTRON ACTIVATION ANALYSIS OF LUMINOPHORIC ZINC COMPLEXES, INFLUENCE OF INTERFERENCE REACTIONS BY THE DETERMINATION OF COPPER, NICKEL, COBALT, IRON, AND MANGANESE IN ZINC SULFATE AND ZINC SULFIDE,
MIKROCHIM, ACTA, NO, 3, 481-487 (1966), (GERMAN) (ENGLISH AND FRENCH SUMMARIES), INSTITUT FUR ANGEWANDTE RADIOAKTIVITAT, LEIPZIG, GERMANY,

2724 PFREPPER, G, * KOCH, H,
NEUTRON ACTIVATION ANALYSIS OF LUMINOPHORIC ZINC COMPLEXES, DETERMINATION OF COPPER AND NICKEL,
MIKROCHIM, ACTA, NO, 3, 488-494 (1966), (GERMAN) (ENGLISH AND FRENCH SUMMARIES), INSTITUT FUR ANGEWANDTE RADI/≡≡≡≡+ITAT, LEIPZIG, GERMANY,

2725 PFREPPER, G, * KOCH, H,
NEUTRON ACTIVATION ANALYSIS OF LUMINOPHORIC ZINC COMPLEXES, DETERMINATION OF MANGANESE, IRON, AND COBALT,
MIKROCHIM, ACTA, NO, 3, 495-500 (1966), (GERMAN) (ENGLISH AND FRENCH SUMMARIES), INSTITUT FUR ANGEWANDTE RADIOAKTIVITAT, LEIPZIG, GERMANY,

2726 BOISDE, G, * CHAUVIN, G, * CORIOU, H,
DEHYDRATION OF THE FUSED LITHIUM CHLORIDE - POTASSIUM CHLORIDE EUTECTIC BY BUBBLING WITH HYDROCHLORIC GAS, DETERMINATION OF THE OXYGEN CONTENT BY ACTIVATION,
ELECTROCHIM, ACTA, 11, NO, 3, 375-376 (1966), (FRENCH), CENTRE D ETUDES NUCLEAIRES DE SACLAY, FRANCE,

2727 SHINAGAWA, M. * OYOSHI, A. * OYOSHI, E.
ON THE DETERMINATION OF THE ISOTOPIC COMPOSITION
OF POTASSIUM BY NEUTRON ACTIVATION.
NIPPON GENSHIRYOKU GAKKAISHI, 7, 186-190 (APRIL
1965). (JAPANESE) (ENGLISH SUMMARY), FACULTY OF
ENGINEERING, OSAKA UNIVERSITY, JAPAN.

2728 HOFFMEISTER, H.
THE DETERMINATION OF COPPER IN QUARTZ BY NEUTRON
ACTIVATION ANALYSIS.
INTERN. J. APPL. RADIATION ISOTOPES, 17, NO. 6,
360-361 (1966). (ENGLISH). IBM LABORATORIES,
BOEBLINGEN, GERMANY.

2729 ROBERTSON, D.S.
CHEMICAL GROUP SEPARATION IN RADIOACTIVATION
ANALYSIS.
NATURE, 210, NO. 5043, 1357-1358 (JUNE 25, 1966).
(ENGLISH). ROYAL RADAR ESTABLISHMENT, GREAT
MALVERN, WORCESTERSHIRE, ENGLAND.

2730 FIREMAN, P. * BORG, D. * GITLIN, D.
STABLE BROMINE AND ACTIVATION ANALYSIS IN PROTEIN
TRACER STUDIES.
NATURE, 210, NO. 5035, 547-548 (APRIL 30, 1966).
(ENGLISH). UNIVERSITY OF PITTSBURGH SCHOOL OF
MEDICINE, PITTSBURGH, PA.

2731 ARMSTRONG, R.L.
POTASSIUM-ARGON DATING USING NEUTRON ACTIVATION
FOR ARGON ANALYSIS. GRANITIC PLUTONS OF THE
EASTERN GREAT BASIN, NEVADA AND UTAH.
GEOCHIM. COSMOCHIM. ACTA, 30, NO. 6, 565-600
(1966). (ENGLISH). YALE UNIVERSITY, DEPARTMENT
OF GEOLOGY, NEW HAVEN, CONNECTICUT.

2732 STEVENSON, R.A. * UFRET, S.L. * DIECIDUE, A.T.
TRACE ELEMENT ANALYSES OF SOME MARINE ORGANISMS.
FIFTH INTER-AMERICAN SYMPOSIUM ON THE PEACEFUL
APPLICATION OF NUCLEAR ENERGY, WASHINGTON, D.C.,
PAN AMERICAN UNION, 233-239, 1965. (ENGLISH),
PUERTO RICO NUCLEAR CENTER, MAYAGUEZ, PUERTO RICO.

2733 COTZIAS, G.C. * MILLER, S.T. * EDWARDS, J.
NEUTRON ACTIVATION ANALYSIS. THE STABILITY OF
MANGANESE CONCENTRATIONS IN HUMAN BLOOD AND SERUM.
J. LAB. CLIN. MED., 67, 836-849 (MAY 1966).
(ENGLISH). UPTON, N.Y.

2734 STEELE, E.L.
DEVELOPMENT OF NEUTRON ACTIVATION ANALYSIS PROCEDURES FOR THE DETERMINATION OF OXYGEN IN POTASSIUM. QUARTERLY REPORT NO. 3, PERIOD ENDING MARCH 31, 1964.
N64-27382, 19P., JUNE 19, 1964. (ENGLISH).
GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORPORATION, SAN DIEGO, CALIF.

2735 SCHMITT, R.A.
RESEARCH ON ELEMENTAL ABUNDANCES IN METEORITIC AND TERRESTRIAL MATTER. SUMMARY PROGRESS REPORT, SEPTEMBER 1, 1963-AUGUST 31-1964.
N64-32896, 13P., AUGUST 31, 1964. (ENGLISH).
GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORPORATION, SAN DIEGO, CALIF.

2736 FOURCY, A.
USE OF ACTIVATION ANALYSIS FOR AGRICULTURAL PRODUCTS AND FOODSTUFFS.
BULL. INFORM. SCI. TECH. (PARIS), NO. 99, 57-70 (DECEMBER 1965). (FRENCH) (ENGLISH SUMMARY).
LABORATOIRE DE BIOLOGIE VEGETABLE DU CENTRE D ETUDES NUCLEAIRES DE GRENOBLE.

2737 CORLESS, J.T.
ISOTOPIC ABUNDANCE STUDIES BY NEUTRON ACTIVATION ANALYSIS. ANNUAL REPORT, APRIL 15, 1965-APRIL 14, 1966.
NYO-3369-6, 14P., UNDATED. (ENGLISH). GRADUATE SCHOOL OF OCEANOGRAPHY, UNIVERSITY OF RHODE ISLAND.

2738 NIELSEN, J.M. * KORNBERG, H.A.
MULTIDIMENSIONAL GAMMA RAY SPECTROMETRY AND ITS USE IN BIOLOGY.
BNWL-SA-119, 14P., MARCH 24, 1965. (ENGLISH).
PACIFIC NORTHWEST LABORATORIES, BATTELLE-NORTHWEST, RICHLAND, WASHINGTON.

2739 JOHANSEN, O. * LUNDE, G. * STEINNES, E.
DETERMINATION OF TRACE ELEMENTS IN PHARMACEUTICALS BY NEUTRON ACTIVATION ANALYSIS.
KR-91, 14P., FEBRUARY 1965. (ENGLISH). INSTITUTT FOR ATOMENERGI, KJELLER ESTABLISHMENT, KJELLER, NORWAY.

2740 WAINERDI, R.E, * FITE, L.E,
ACTIVATION ANALYSIS AS APPLIED TO THE PETROLEUM
EXPLORATION INDUSTRY,
TID-20467, 16P,, UNDATED, (ENGLISH), ACTIVATION
ANALYSIS RESEARCH LABORATORY, TEXAS A AND M
UNIVERSITY, COLLEGE STATION, TEXAS,

2741 VOBECKY, M, * MASTALKA, A, * MARECEK, J,
THE DETERMINATION OF LANTHANIDES IN URANIUM BY
NEUTRON-ACTIVATION ANALYSIS,
UJV-1151/64, 15P,, FEBRUARY 1965, (ENGLISH),
NUCLEAR ENERGY INFORMATION CENTER OF THE INSTITUTE
OF NUCLEAR RESEARCH, REZ, PRAGUE, CZECHOSLOVAKIA,

2744 OKA, Y, * KATO, T, * NOMURA, K,
ACTIVATION ANALYSIS OF COBALT AND NICKEL IN IRON
BY MEANS OF PHOTO NUCLEAR REACTION,
NIPPON KAGAKU ZASSHI, 87, NO, 2, 147-153 (1966).
(JAPANESE) (ENGLISH SUMMARY), DEPARTMENT OF
CHEMISTRY, FACULTY OF SCIENCE, TOHOKU UNIVERSITY,
SENDAI-SHI, JAPAN,

2746 WIESNER, L,
RADIOCHEMICAL METHODS OF ANALYSIS,
ATOMWIRTSCHAFT, 10, 131-133 (MARCH 1965),
(GERMAN), ISOTOPEN-STUDIENGESELLSCHAFT E,V,,
INSTITUT KARLSRUHE IM KFZ KARLSRUHE, LEOPOLDSHAFEN
BEI KARLSRUHE, GERMANY,

2747 ZAITSEV, E,I, * MALYSHEV, V,I,
SOME POSSIBILITIES OF USING PHYSICAL NUCLEAR
ANALYSIS METHODS IN GEOCHEMICAL PROSPECTING FOR
ORE DEPOSITS,
BYUL, NAUCHN,-TEKHN, INFORM, MIN, GEOL, I OKHRANY
NEDR SSSR, NO, 3, 75-80 (1963), (RUSSIAN),
RUSSIA,

2748 LUSTINEC, J,
THE APPLICATION OF NEUTRON ACTIVATION
CHROMATOGRAPHY TO THE DETERMINATION OF THE PURITY
OF PHOSPHATE PREPARATIONS,
BIOL, PLANT,, (ACAD, SCI, BOHEMOSLOV,,), 2, 67-69
(1959), (ENGLISH) (CZECH SUMMARY), DEPARTMENT OF
PLANT PHYSIOLOGY, INSTITUTE OF BIOLOGY,
CZECHOSLOVAK ACADEMY OF SCIENCES, PRAHA,
CZECHOSLOVAKIA,

2749 FUJII, I.
NEUTRON-ACTIVATION OXYGEN MEASURING APPARATUS,
GENSHIRYOKU KOGYO, 10, NO, 9, 19-26 (SEPTEMBER
1964), (JAPANESE), JAPAN,

2750 KUZNETSOV, K.F. * LEIPUNSKAYA, D.I. * ROGUSHIN, I.I.
* SAVOSIN, S.I. * SHIMELEVICH, Y.S.
NEUTRON ACTIVATION ANALYSIS OF NATURAL ROCK
FORMATIONS BY MULTICHANNEL SPECTROMETRY,
RADIOCHEMICAL METHODS OF ANALYSIS. IAEA VIENNA,
VOL. I, 277-285, 1965, (RUSSIAN) (ENGLISH, FRENCH
AND SPANISH SUMMARIES), RUSSIA,

2751 AMIEL, S.
NON-DESTRUCTIVE ACTIVATION ANALYSIS BASED ON
PHOTONEUTRON COUNTING,
RADIOCHEMICAL METHODS OF ANALYSIS. IAEA VIENNA,
VOL. II, 101-110, 1965. (ENGLISH) (FRENCH,
RUSSIAN AND SPANISH SUMMARIES), NUCLEAR
CHEMISTRY DEPARTMENT, SOREQ RESEARCH
ESTABLISHMENT, ATOMIC ENERGY COMMISSION, YAVNE,
ISRAEL.

2752 TRAVESI, A. * GALIANO, J.A.
ACTIVATION ANALYSIS OF IMPURITY TRACES IN URANIUM,
DETERMINATION OF COBALT.
ANALES REAL SOC, ESPAN. FIS, QUIM. (MADRID), SER,
B, 62, NO. 3, 247-257 (1966), (SPANISH) (ENGLISH
SUMMARY). JUNTA DE ENERGIA NUCLEAR, DIRRECCION DE
QUIMICA E ISOTOPOS, MADRID, SPAIN.

2753 TRAVESI, A. * GALIANO, J.A.
ACTIVATION ANALYSIS OF IMPURITY TRACES IN URANIUM,
DETERMINATION OF COPPER, CHROMIUM, AND MANGANESE,
ANALES REAL SOC, ESPAN. FIS, QUIM. (MADRID), SER,
B, 62, NO. 3, 259-273 (1966), (SPANISH) (ENGLISH
SUMMARY). JUNTA DE ENERGIA NUCLEAR, DIRRECCION DE
QUIMICA E ISOTOPOS, MADRID, SPAIN.

2754 KJELBERG, A. * PAPPAS, A.C. * WESTGAARD, L.
RADIOCHEMICAL DETERMINATION OF URANIUM-235
ABUNDANCES BY ACTIVATION ANALYSIS.
RADIOCHIM. ACTA, 5, NO. 2, 104-109 (1966),
(ENGLISH) (GERMAN AND FRENCH SUMMARIES),
DEPARTMENT OF CHEMISTRY, UNIVERSITY OF OSLO,
BLINDERN, NORWAY,

2755 DE GOEIJ, J.J.M. * HOUTMAN, J.P.W. * KANIJ, J.B.W.
ERRORS IN ACTIVATION ANALYSIS DUE TO VARIATIONS IN ISOTOPIC RATIO.
RADIOCHIM. ACTA, 5, NO. 2, 117-118 (1966).
(ENGLISH). REACTOR INSTITUUT DELFT, NETHERLANDS.

2756 KENNINGTON, G.S. * CHING, C.F.T.
ACTIVATION ANALYSIS OF UNGULATE HAIR.
SCIENCE, 151, NO. 3714, 1085-1086 (1966).
(ENGLISH). DEPARTMENT OF ZOOLOGY AND PHYSIOLOGY, UNIVERSITY OF WYOMING, LARAMIE, WYOMING.

2757 GIRARDI, F.
SOME RECENT DEVELOPMENTS IN RADIOACTIVATION ANALYSIS. A REVIEW OF IMPROVEMENTS IN THE ANALYTICAL TECHNIQUE.
TALANTA, 12, 1017-1041 (NOVEMBER 1965). (ENGLISH) (GERMAN AND FRENCH SUMMARIES). NUCLEAR CHEMISTRY LABORATORY, DEPARTMENT OF CHEMISTRY, EURATOM JOINT NUCLEAR RESEARCH CENTRE, ISPRA ESTABLISHMENT, ITALY.

2758 ABE, S.
ACTIVATION ANALYSIS OF ALKALI HALIDES BY PHOTO NUCLEAR REACTION.
NIPPON KAGAKU ZASSHI, 87, NO. 5, 426-432 (1966).
(JAPANESE) (ENGLISH SUMMARY). DEPARTMENT OF CHEMICAL ENGINEERING, YAMAGATA UNIVERSITY, MOTONAKA-BAKURO-CHO, YONEZAWA-SHI, JAPAN.

2759 RAKOVIC, M.
THE NONDESTRUCTIVE NEUTRON ACTIVATION ANALYSIS OF BIOLOGICAL MATERIAALS WITHOUT THE USE OF GAMMA SPECTROMETER.
SBORNIK REFERATU III. CELOSTATNI RADIOCHEMICKE KONFERENCE. (VOL.2). (REZ) USTAV JADERNEHO VYZKUMU, CESKOSLOVENSKA ADADEMIE VED, 299-311, 1965. (CZECH) (ENGLISH SUMMARY). KATEDA LEK. FYZIKY A NUKLEARNI MEDICINY FVL UK, PRAHA, CZECHOSLOVAKIA.

2760 STERLINSKI, S.
THE REGRESSION AND CORRELATION IN SCINTILLATION GAMMA-RAY SPECTROMETRY OF SHORT-LIVED RADIOISOTOPES.
ACTA PHYS. POL., 28, 533-543 (OCTOBER 1965).
(ENGLISH). DEPARTMENT OF ANALYTICAL CHEMISTRY, INSTITUTE OF NUCLEAR RESEARCH, WARSAW, POLAND.

2761 PASZTOR, E. * KLOPFER, E.
A SMALL PORTABLE NEUTRON GENERATOR FOR ACTIVATION ANALYSIS.
INSTRUMENTS AND EXPERIMENTAL TECHNIQUES, USSR, NO. 4, 770-772 (JULY-AUGUST 1965), (ENGLISH TRANSLATION). THE CENTRAL PHYSICS RESEARCH INSTITUTE, HUNGARIAN ACADEMY OF SCIENCES, BUDAPEST, HUNGARY.

2762 SCHROEDER, G.L. * KRANER, H.W. * EVANS, R.D. * BRYDGES, T.
LITHIUM DRIFTED GERMANIUM DETECTORS, APPLICATIONS TO NEUTRON ACTIVATION ANALYSIS.
SCIENCE, 151, NO. 3712, 815-817 (18 FEBRUARY 1966), (ENGLISH), MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MASS.

2763 SCHILLING, J-G. * WINCHESTER, J.W.
RARE EARTHS IN HAWAIIAN BASALTS.
SCIENCE, 153, 867-869 (19 AUGUST 1966), (ENGLISH), DEPARTMENT OF GEOLOGY AND GEOPHYSICS, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MASSACHUSETTS.

2764 BABIKOVA, Y.F. * MINAEV, V.M. * SAMOSADNYI, V.T.
DETERMINATION OF IMPURITIES IN STEEL BY NEUTRON-ACTIVATION ANALYSIS.
ZAVODSK. LAB., 32, 47-49 (1966), (RUSSIAN), RUSSIA.

2765 TRAVESI JIMINEZ, A.
APPLICATION OF ACTIVATION ANALYSIS TO CRIMINAL INVESTIGATION.
ENERGIA NUCL. (MADRID), 9, 217-225 (MAY-JUNE 1965), (SPANISH), JUNTA DE ENERGIA NUCLEAR, DIRECCION DE QUIMICA E ISOTOPOS, SECCION DE RADIOQUIMICA.

2766 SORANTIN, H. * PATEK, P.
ACTIVATION ANALYTICAL INVESTIGATIONS OF POLYETHYLENES.
Z. ANAL. CHEM., 211, 99-113 (1965), (GERMAN) (ENGLISH SUMMARY), INSTITUT FUR CHEMIE, REAKTORZENTRUM SEIBERSDORF, AUSTRIA.

2767 PFREPPER, G.
COEFFICIENT OF PERTURBATION FOR THE
CHARACTERIZATION OF PERTURBATION REACTIONS IN
ACTIVATION ANALYSIS,
Z. ANAL. CHEM., 217, NO. 2, 99-101 (1966),
(GERMAN) (ENGLISH SUMMARY). INSTITUT FUR
ANGEWANDTE RADIOAKTIVITAT DER DEUTSCHEN AKADEMIE
DER WISSENSCHAFTEN ZU BERLIN, LEIPSIG, GERMANY,

2768 ROTH, E. * CORNU, A. * ALBERT, P.
COMPARISON BETWEEN CERTAIN MODERN METHODS OF TRACE
ANALYSIS. MASS SPECTROMETRY, ISOTOPIC DILUTION
AND ACTIVATION,
Z. ANAL. CHEM., 218, NO. 1, 24-40 (1966),
(FRENCH) (ENGLISH AND GERMAN SUMMARIES), SERVICE
DES ISOTOPES STABLES C.E.N. SACLAY (S AND O),
FRANCE.

2769 NEEB, K.H. * STOCKERT, H. * GEBAUHR, W.
DETERMINATION OF IMPURITIES IN HIGH PURITY
ALUMINUM BY ACTIVATION ANALYSIS,
Z. ANAL. CHEM., 219, NO. 1, 69-76 (1966),
(GERMAN) (ENGLISH SUMMARY),
FORSCHUNGSLABORATORIUM DER SIEMENS-SCHUCKERTWERKE
AG, ERLANGEN, GERMANY,

2770 AMES LABORATORY
CHEMISTRY DIVISION,
IS-1200, SECTION C, 105P., AUGUST 1965,
(ENGLISH), AMES LABORATORY, AMES, IOWA,

2772 FRITZ, G.J. * HAN, I. * ELLIS, W.H.
ANALYSIS OF OXYGEN-18 IN CARBON DIOXIDE BY THERMAL
NEUTRON ACTIVATION,
INTERN. J. APPL. RADIATION ISOTOPES, 16, 431-437
(JULY 1965), (ENGLISH) (FRENCH, RUSSIAN AND
GERMAN SUMMARIES), UNIVERSITY OF FLORIDA,
GAINESVILLE, FLORIDA,

2773 KIRCHMANN, R. * RODERBOURG, J.
DETERMINATION OF THE ARSENIC IN VEGETABLES BY
RADIOACTIVATION AND GAMMA-SPECTROMETRY TECHNIQUES,
INTERN. J. APPL. RADIATION ISOTOPES, 16, 457-460
(AUGUST 1965), (FRENCH) (ENGLISH, RUSSIAN AND
GERMAN SUMMARIES), CENTRE D ETUDE DE L ENERGIE
NUCLEAIRE, MOL, BELGIUM,

2774 VOGT, J.R. * EHMANN, W.D. * MC ELLISTREM, M.T.
AN AUTOMATED SYSTEM FOR RAPID AND PRECISE FAST NEUTRON ACTIVATION ANALYSIS.
INTERN. J. APPL. RADIATION AND ISOTOPES, 16, 573-580 (OCTOBER 1965). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN SUMMARIES). UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY.

2775 GOBRECHT, H. * BOCK-WERTHMANN, W. * TAUSEND, A. * BRATTER, P. * WILLERS, G.
DETERMINATION OF CHLORINE AND SODIUM IN SELENIUM BY NON-DESTRUCTIVE NEUTRON ACTIVATION ANALYSIS.
INTERN. J. APPL. RADIATION AND ISOTOPES, 16, 655-659 (NOVEMBER 1965). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN SUMMARIES). PHYSIKALISCHES INSTITUT DER TECHNISCHEN UNIVERSITAT, BERLIN, GERMANY.

2776 WESTER, P.O.
TRACE ELEMENTS IN THE CONDUCTIVE TISSUE OF BEEF HEART DETERMINED BY NEUTRON ACTIVATION ANALYSIS.
AE-191, 19P., 1965. (ENGLISH). AKTIEBOLAGET ATOMENERGI, STOCKHOLM, SWEDEN.

2777 ROOK, H.L.
NEW TECHNIQUES IN THE GAMMA ACTIVATION ANALYSIS OF BERYLLIUM.
MLM-1256, 5P., APRIL 19, 1965. (ENGLISH). MOUND LABORATORY, MIAMISBURG, OHIO.

2778 TWITTY, B.L.
THE NEUTRON ACTIVATION FACILITY AT THE NATIONAL LEAD COMPANY.
NLCO-955, 2.1-2.12, AUGUST 11, 1965. (ENGLISH). NATIONAL LEAD COMPANY OF OHIO.

2779 KRAMER, J. * BAILEY, M.R.
A VERSATILE SEQUENTIAL PROGRAMMING TIMER.
NLCO-955, 3.1-3.7, AUGUST 11, 1965. (ENGLISH). NATIONAL LEAD COMPANY OF OHIO.

2782 RUCH, R.R. * MADIGAN, S.B. * GUINN, V.P.
APPLICATIONS OF NEUTRON ACTIVATION ANALYSIS IN SCIENTIFIC CRIME DETECTION. QUARTERLY REPORT FOR THE PERIOD ENDING JULY 31, 1963.
GA-4576, 24P., AUGUST 30, 1963. (ENGLISH). GENERAL ATOMIC, GENERAL DYNAMICS, SAN DIEGO, CALIF.

2786 DOSHI, G.R.
MICRO DETERMINATION OF COPPER IN BIOMATERIALS BY NEUTRON ACTIVATION ANALYSIS,
CURRENT, SCI. (INDIA), 34, 478 (AUGUST 20, 1965), (ENGLISH). HEALTH PHYSICS DIVISION, ATOMIC ENERGY ESTABLISHMENT, TROMBAY, BOMBAY, INDIA.

2787 EASTWOOD, T.A.
NEUTRON FLUX MEASUREMENTS WITH COBALT,
INTERN. J. APPL. RADIATION ISOTOPES, 17, NO. 1, 17-28 (1966). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN SUMMARIES). ATOMIC ENERGY OF CANADA, LIMITED, CHALK RIVER, ONTARIO, CANADA.

2788 GEBAUHR, W.
SEPARATION PROCESS WITH GENERAL APPLICATION TO ACTIVATION ANALYSES,
RADIOCHIM. ACTA, 5, NO. 1, 8-14 (1966). (GERMAN). SIEMENS SCHUCKERT WERKE AG, ERLANGEN, GERMANY.

2789 WAHL, W.H. * NASS, H.W. * KRAMER, H.H.
USE OF STABLE ISOTOPES AND ACTIVATION ANALYSIS FOR IN VIVO DIAGNOSTIC STUDIES,
CONF-651111, SYMPOSIUM IN MEDICINE NO. 9 RADIOACTIVE PHARMACEUTICALS, OAK RIDGE, TENN., NOV. 1-4, 1965, 191-204, APRIL 1966, (ENGLISH), UNION CARBIDE CORPORATION, STERLING FOREST RESEARCH CENTER, TUXEDO, N.Y.

2790 GUINN, V.P. * MADIGAN, S.C. * RUCH, R.R.
APPLICATIONS OF NEUTRON-ACTIVATION ANALYSIS IN SCIENTIFIC CRIME DETECTION. QUARTERLY REPORT FOR THE PERIOD ENDING APRIL 30, 1963,
GA-4297, 22P., MAY 31, 1963, (ENGLISH), GENERAL ATOMIC, GENERAL DYNAMICS, SAN DIEGO, CALIF.

2791 GUINN, V.P.
APPLICATIONS OF NEUTRON-ACTIVATION ANALYSIS IN SCIENTIFIC CRIME DETECTION. QUARTERLY REPORT FOR THE PERIOD ENDING JULY 31, 1962,
GA-3491, 36P., SEPTEMBER 18, 1962. (ENGLISH), GENERAL ATOMIC, GENERAL DYNAMICS, SAN DIEGO, CALIFORNIA.

2792 GUINN, V.P. * RUCH, R.R. * BELLANCA, S.C.
APPLICATIONS OF NEUTRON-ACTIVATION ANALYSIS IN
SCIENTIFIC CRIME DETECTION. QUARTERLY REPORT FOR
THE PERIOD ENDING JANUARY 31, 1963.
GA-4041, 19P., FEBRUARY 28, 1963, (ENGLISH),
GENERAL ATOMIC, GENERAL DYNAMICS, SAN DIEGO,
CALIFORNIA.

2793 BUCHANAN, J.D. * RUCH, R.R.
APPLICATIONS OF NEUTRON-ACTIVATION ANALYSIS IN
SCIENTIFIC CRIME DETECTION. QUARTERLY REPORT FOR
THE PERIOD ENDING OCTOBER 31, 1962.
GA-3664, 27P., NOVEMBER 15, 1962, (ENGLISH),
GENERAL ATOMIC, GENERAL DYNAMICS, SAN DIEGO,
CALIFORNIA.

2794 PIETRA, R. * SABBIONI, E.
DETERMINATION OF SULFUR IN TERPHENYL BY NEUTRON
ACTIVATION.
EUR-2523.I, 20P., 1965, (ITALIAN), CENTRO COMUNE
DI RICERCA NUCLEARE STABILIMENTO D ISPRA, ITALY.

2795 MOAURO, A. * CESARANO, C.
RAPID DETERMINATION OF MANGANESE AND ARSENIC
CONTENT IN STEEL BY NEUTRON ACTIVATION ANALYSIS.
RT/CHI-(65)36, 17P., OCTOBER 1965. (ITALIAN)
(ENGLISH SUMMARY), COMITATO NAZIONALE ENERGIA
NUCLEARE, ROME, ITALY.

2796 COLORADO SCHOOL OF MINES RESEARCH FOUNDATION, INC.
FEASIBILITY EXPERIMENTS RELATED TO TRACE ANALYSIS
OF FLUORINE IN ZINC ELECTROREFINING SOLUTIONS BY
FAST NEUTRON ACTIVATION AND COINCIDENCE COUNTING
TECHNIQUES. INTERIM REPORT NO. 3.
TID-22662, 21P., FEBRUARY 23, 1966, (ENGLISH),
COLORADO SCHOOL OF MINES RESEARCH FOUNDATION,
INC., GOLDEN, COLORADO.

2797 MARBLE, G. * BERNIER, M. * BERTET, M. * GAUDE, G.
DETERMINATION OF SODIUM AND POTASSIUM IN
BIOLOGICAL MEDIA BY NEUTRON ACTIVATION WITHOUT
CHEMICAL SEPARATION.
CEA-R-2837, 28P., JULY 1965, (FRENCH) (ENGLISH
SUMMARY), CENTRE D ETUDES NUCLEAIRES DE
FONTENAY-AUX-ROSES, FRANCE.

2798 TWITTY, R.L. * FRITZ, K.M.
A RAPID DETERMINATION OF OXYGEN IN HIGH-PURITY
MAGNESIUM CHIPS BY NEUTRON ACTIVATION ANALYSIS.
NLCO-973, 23P., MAY 1966, (ENGLISH), NATIONAL
LEAD COMPANY OF OHIO.

2799 WING, J. * WAHLGREN, M.A.
DETECTION SENSITIVITIES IN THERMAL-NEUTRON
ACTIVATION.
ANL-6953, 106P., DECEMBER 1965, (ENGLISH).
ARGONNE NATIONAL LABORATORY, ARGONNE, ILLINOIS.

2800 IKEDA, N. * KONDO, Y. * YAMASHITA, H.
DETERMINATION OF THE RARE EARTH ELEMENTS IN HOT
SPRING WATER BY THE RADIOACTIVATION METHOD.
RADIOISOTOPES (TOKYO), 14, 357-362 (SEPTEMBER
1965). (ENGLISH) (JAPANESE SUMMARY). DEPARTMENT
OF CHEMISTRY, FACULTY OF SCIENCE, TOKYO UNIVERSITY
OF EDUCATION, KOISHIKAWA, TOKYO, JAPAN.

2801 LAWRENCE RADIATION LABORATORY
INSTRUMENTATION.
UCRL-16580, 219-250, JANUARY 1966, (ENGLISH),
LAWRENCE RADIATION LABORATORY, BERKELEY,
CALIFORNIA.

2802 LEPETIT, H.
MICRODETERMINATION OF OXYGEN IN METALS BY
RADIOACTIVE REAGENTS AND BY ACTIVATION WITH FAST
NEUTRONS AT 14 MEV. (THESIS).
LYCEN-6524, 115P., JULY 21, 1965, (FRENCH), L
UNIVERSITE DE LYON, FRANCE.

2803 GLUBRECHT, H.
ACTIVATION ANALYSIS AND TEXTILE RESEARCH.
NP-TR-1293, 15P., SEPTEMBER 1964, (ENGLISH
TRANSLATION). GERMANY.

2804 OKADA, T. * IKEYA, M. * SUITA, T. * KAWAI, K.
NEUTRON ACTIVATION ANALYSIS OF DIVALENT IONS IN
ALKALI HALIDE CRYSTALS.
RADIOISOTOPES (TOKYO), 15, 14-18 (1966).
(ENGLISH) (JAPANESE SUMMARY). DEPARTMENT OF
NUCLEAR ENGINEERING, FACULTY OF ENGINEERING, OSAKA
UNIVERSITY, OSAKA, THE MARINE TECHNICAL COLLEGE,
ASHIYA CITY, HYOGO, JAPAN.

2805 PIJCK, J.
DETERMINATION COLLOIDAL GOLD BY RADIOACTIVATION USING THERMAL NEUTRONS.
J. PHARM. BELG., 20, NO. 7-8, 300-310 (1965).
(FRENCH) (DUTCH AND ENGLISH SUMMARIES).
LABORATOIRE DE CHIMIE ANALYTIQUE, FACULTE DE MEDECINE, UNIVERSITE DE GAND, BELGIUM.

2806 BUJDOSO, E. * HEGEDUES, D. * MATHE, F. * NAGY, L.G. * ORDOGH, M.
POSSIBLE DEVELOPMENT OF NEUTRON ACTIVATION ANALYSIS IN HUNGARY.
MAGYAR KEM. LAP., 21, 155-159 (MARCH 1966).
(HUNGARIAN) (ENGLISH SUMMARY). BUDAPEST, HUNGARY.

2807 BUJDOSO, E. * MISKEI, M. * ORMOS, G.
ACTIVATION ANALYSIS, BIBLIOGRAPHY II.
MELLEKLET, 6, NO. 5, 87P., 1963. (HUNGARIAN) (ENGLISH AND RUSSIAN SUMMARIES). FEMIPARI KUTATO INTEZET, BUDAPEST, HUNGARY.

2811 TALWAR, U.B. * HALDAR, B.C.
SEPARATION OF RHENIUM FROM MOLYBDENUM, TUNGSTEN, VANADIUM, SELENIUM AND ARSENIC BY EXTRACTION WITH QUINOLINE.
INDIAN J. CHEM., 3, NO. 10, 452-453 (1965).
(ENGLISH). DEPARTMENT OF INORGANIC AND NUCLEAR CHEMISTRY, INSTITUTE OF SCIENCE, BOMBAY, INDIA.

2812 ABRAO, A.
AN ION EXCHANGE-EDTA SEPARATION OF LEAD FROM BISMUTH, APPLICATION TOO RADIOCHEMISTRY.
PRIMERA CONFERENCIA INTERAMERICANA DE RADIOQUIMICA. WASHINGTON, D.C. UNION PANAMERICANA, 89-91, 1965. (ENGLISH). DIVISAO DE RADIOQUIMICA, INSTITUTO DE ENERGIA ATOMICA, SAO PAULO, BRAZIL.

2813 BORNER, W. * HAMANN, W. * MOLL, E.
YIELD AND DEGREE OF CONTAMINATION IN THE SEPARATION OF IODINE-132 FROM TELLURIUM-132 BY DISTILLATION AND COLUMN CHROMATOGRAPHY.
NUCL. MED., 3, 118-119, 277-289 (1962). (GERMAN) (ENGLISH AND FRENCH SUMMARIES). AUS DER MEDIZINISCHEN POLIKLINIK DER UNIVERSITAT WURZBURG, GERMANY.

2819 WESTER, P.O.
TRACE ELEMENTS IN HUMAN MYOCARDIAL INFARCTION DETERMINED BY NEUTRON ACTIVATION ANALYSIS,
ACTA MED. SCAND., 178, 765-768 (DECEMBER 1965).
(ENGLISH). DEPARTMENT OF MEDICINE, KAROLINSKA INSTITUTET AT SERAFIMERLASARETTET, STOCKHOLM, SWEDEN.

2821 MOAV, B.
THE DETERMINATION OF MANGANESE IN URINE BY NEUTRON ACTIVATION ANALYSIS,
INTERN. J. APPL, RADIATION ISOTOPES, 16, 365-369 (JUNE 1965), (ENGLISH) (FRENCH, RUSSIAN AND GERMAN SUMMARIES), ATOMIC ENERGY COMMISSION, YAVNE, ISRAEL.

2830 MOSHIER, R.W.
ANALYTICAL CHEMISTRY OF NIOBIUM AND TANTALUM,
ANALYTICAL CHEMISTRY OF NIOBIUM AND TANTALUM, NEW YORK, PERGAMON PRESS INC., 278P., 1964.
(ENGLISH). AEROSPACE RESEARCH LABORATORIES, WRIGHT-PATTERSON AIR FORCE BASE, OHIO.

2836 PAULY, J. * SABBIONI, E. * GIRARDI, F.
THE USE OF ACTIVATION ANALYSIS FOR DETERMINING SPECIFIC ACTIVITIES DURING QUANTITATIVE ANALYSIS BY ISOTOPIC DILUTION,
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA, VOL. II, 297-309, 1965. (FRENCH) (ENGLISH, RUSSIAN AND SPANISH SUMMARIES), EURATOM, CENTRE COMMUN DE RECHERCHES, ISPRA, VARESE, ITALY.

2838 DAS, H.A. * VAN RAAPHORST, J.G. * HOEDE, D. * ZONDERHUIS, J.
THE DETERMINATION OF MERCURY IN POTATO FLOUR,
INTERN. J. APPL, RADIATION ISOTOPES, 17, 252-253 (APRIL 1966). (ENGLISH), REACTOR CENTRUM NEDERLAND, PETTEN, N.H., NETHERLANDS.

2839 CROCKET, J.H. * SKIPPEN, G.B.
RADIOACTIVATION DETERMINATION OF PALLADIUM IN BASALTIC AND ULTRABASIC ROCKS,
GEOCHIM, COSMOCHIM, ACTA, 30, 129-141 (JANUARY 1966). (ENGLISH). DEPARTMENT OF GEOLOGY, MC MASTER UNIVERSITY, HAMILTON, ONTARIO, CANADA.

2840 GEBAUHR, W.
A SEPARATION PROCESS FOR GENERAL USE IN ACTIVATION ANALYSIS. PART I.
RADIOCHIMICA ACTA, 4, 191-197 (DECEMBER 1965). (GERMAN) (ENGLISH AND FRENCH SUMMARIES). SIEMENS SCHUCKERT WERKE AG, ERLANGEN, GERMANY.

2844 RUF, H. * VON BAECKMANN, A.
ACTIVATION ANALYTICAL DETERMINATION OF VERY SMALL IRIDIUM CONTENTS IN URANIUM OXIDE.
Z. ANAL. CHEM., 215, 176-181 (1966). (GERMAN) (ENGLISH SUMMARY). INSTITUT FUR RADIOCHEMIE, KERNFORSCHUNGSZENTRUM KARLSRUHE, GERMANY.

2845 ZEMAN, A. * PRASILOVA, J. * RUZICKA, J.
SUBSTOICHIOMETRIC DETERMINATION OF MANGANESE BY NEUTRON-ACTIVATION ANALYSIS.
TALANTA, 13, 457-462 (MARCH 1966). (ENGLISH) (GERMAN AND FRENCH SUMMARIES). DEPARTMENT OF NUCLEAR CHEMISTRY, FACULTY OF TECHNICAL AND NUCLEAR PHYSICS, PRAGUE, BREHOVA, CZECHOSLOVAKIA.

2846 HILTON, D.A. * REED, D.
THE DETERMINATION OF ACTIVATION PRODUCTS IN IRRADIATED STEELS BY ANION EXCHANGE SEPARATION AND GAMMA-RAY SPECTROMETRY.
ANALYST, 90, 541-544 (SEPTEMBER 1965). (ENGLISH). CENTRAL ELECTRICITY GENERATING BOARD, BERKELEY NUCLEAR LABORATORIES, BERKELEY, GLOUCESTERSHIRE, ENGLAND.

2848 SLOWEY, J.F. * HEDGES, D. * HOOD, D.W.
THE CHEMISTRY AND ANALYSIS OF TRACE METALS IN SEA WATER. PROGRESS REPORT NO. 2, AUGUST 1, 1961-NOVEMBER 1, 1962.
TID-22660, 70P., OCTOBER 31, 1962. (ENGLISH). DEPARTMENT OF OCEANOGRAPHY AND METEOROLOGY, TEXAS A AND M, COLLEGE STATION, TEXAS.

2849 CHOMEL, N.
DETERMINATION OF SULFUR AND PHOSPHORUS BY RADIOACTIVATION.
THESIS. LYON UNIVERSITY, FRANCE, 42P., 1964. (FRENCH). UNIVERSITE DE LYON, FRANCE.

2852 LANDSTROM, O. * WENNER, C.G.
NEUTRON-ACTIVATION ANALYSIS OF NATURAL WATER
APPLIED TO HYDROGEOLOGY,
AE-204, 28P., DECEMBER 1965, (ENGLISH),
AKTIEBOLAGET ATOMENERGI, STOCKHOLM, SWEDEN.

2853 DAHL, J.B. * STEINNES, E.
DETERMINATION OF SELENIUM IN ANIMAL TISSUE BY
NEUTRON ACTIVATION ANALYSIS,
KR-95, 6P., JULY 1965. (ENGLISH). INSTITUTT FOR
ATOMENERGI, KJELLER, NORWAY,

2865 MAY, S. * PICCOT, D,
DETERMINATION OF SILICON BY NEUTRON
RADIOACTIVATION AND APPLICATION TO NUCLEAR
GRAPHITES AND ALUMINA, STUDY OF INTERFERENCES,
BULL, SOC, CHIM, FRANCE, NO, 1, 332-335 (JANUARY
1966), (FRENCH), CENTRE D ETUDES NUCLEAIRES DE
SACLAY, DEPARTEMENT DE PHYSICO-CHIMIE, SERVICE DE
PHYSICO-CHIMIE APPLIQUEE, FRANCE,

2870 ABDEL-RASSOUL, A.A. * WAHBA, S.S. * ABDEL-AZIZ, A.
DETERMINATION OF CERTAIN TRACE IMPURITIES IN
URANIUM CONCENTRATES BY ACTIVATION ANALYSIS,
TALANTA, 13, 381-387 (MARCH 1966). (ENGLISH)
(GERMAN AND FRENCH SUMMARIES), NUCLEAR CHEMISTRY
DEPARTMENT, ATOMIC ENERGY ESTABLISHMENT, INCHASS,
U.A.R.

2871 BRUNE, D.
THE SZILARD-CHALMERS EFFECT APPLIED IN THE NEUTRON
ACTIVATION ANALYSIS OF BIOLOGICAL SAMPLES,
ANAL. CHIM. ACTA, 34, 447-455 (APRIL 1966).
(ENGLISH) (FRENCH AND GERMAN SUMMARIES), AB
ATOMENERGI, STUDSVIK, SWEDEN,

2873 DUCE, R.A. * WINCHESTER, J.W.
DETERMINATION OF IODINE, BROMINE, AND CHLORINE IN
ATMOSPHERIC SAMPLES BY NEUTRON ACTIVATION
ANALYSIS,
RADIOCHIM. ACTA, 4, 100-104 (JUNE 1965),
(ENGLISH) (FRENCH AND GERMAN SUMMARIES),
DEPARTMENTS OF GEOLOGY AND GEOPHYSICS AND OF
CHEMISTRY, MASSACHUSETTS INSTITUTE OF TECHNOLOGY,
CAMBRIDGE, MASS,

2876 FOURCY, A,
SOME ASPECTS OF THE DETERMINATION OF METALS IN
VEGETABLE PRODUCTS USING NEUTRON ACTIVATION
ANALYSIS,
COMPT, REND,, 261, 830-833 (JULY 19, 1965),
(FRENCH), LABORATOIRE DE BIOLOGIE VEGETALE,
CENTRE D ETUDES NUCLEAIRES, GRENOBLE, ISERE,
FRANCE,

2878 SIMKOVA, M, * KUKULA, F, * STEJSKAL, R,
IRON DETERMINATION IN ANTIMONY BY ACTIVATION
ANALYSIS,
COLLECTION CZECH, CHEM, COMMUN,, 30, 3193-3197
(SEPTEMBER 1965), (GERMAN) (RUSSIAN SUMMARY),
INSTITUT FUR KERNFORSCHUNG, TSCHECHOSLOWAKISCHE
AKADEMIE DER WISSENSCHAFTEN, REZ BEI PRAG,
CZECHOSLOVAKIA,

2881 HEALY, W.B, * BATE, L.C,
DETERMINATION OF MOLYBDENUM IN HAIR AND WOOL BY
NEUTRON ACTIVATION ANALYSIS,
ANAL, CHIM, ACTA, 33, 443-448 (OCTOBER 1965),
(ENGLISH) (FRENCH AND GERMAN SUMMARIES),
ANALYTICAL CHEMISTRY DIVISION, OAK RIDGE NATIONAL
LABORATORY, OAK RIDGE, TENN,

2882 KOSTA, L, * COOK, G.B,
APPLICATION OF ACTIVATION ANALYSIS TO THE
DETERMINATION OF SOME IMPURITIES IN NUCLEAR-GRADE
URANIUM,
TALANTA, 12, 977-987 (NOVEMBER 1965), (ENGLISH)
(GERMAN AND FRENCH SUMMARIES), INTERNATIONAL
ATOMIC ENERGY AGENCY, SEIBERSDORF LABORATORY,
SEIBERSDORF, NEIDEROESTERREICH, AUSTRIA,

2887 KUDO, K,
RADIOACTIVATION ANALYSIS BASED ON QUANTITATIVE
ISOTOPE DILUTION PRINCIPLE-DETERMINATION OF TRACE
AMOUNTS OF GOLD BY A COMPARISON METHOD,
NIPPON KAGAKU ZASSHI, 86, 1050-1053 (OCTOBER
1965), (JAPANESE) (ENGLISH SUMMARY), IBARAKI
BRANCH, ELECTRICAL COMMUNICATION LABORATORY,
NIPPON TELEGRAPH AND TELEPHONE PUBLIC CORPORATION,
NAKA-GUN, IBARAKI, JAPAN,

2888 CHUNG, K.S. * LEE, C.
AN IMPROVED METHOD FOR THE DETERMINATION OF SCANDIUM BY NEUTRON ACTIVATION ANALYSIS.
J. KOREAN CHEM. SOC., 8, 88-91 (1964). (ENGLISH) (KOREAN SUMMARY). ATOMIC ENERGY RESEARCH INSTITUTE, SEOUL, KOREA.

2889 SAKANOUE, M. * TAKAGI, T. * ABE, M. * OOSAWA, M.
ACTIVATION ANALYSIS OF PA-231 FOLLOWED BY GAMMA-RAY SPECTROMETRY OF PA-232 AND PA-233.
NIPPON GENSHIRYOKU GAKKAISHI, 7, 404-409 (AUGUST 1965). (JAPANESE) (ENGLISH SUMMARY). FACULTY OF SCIENCE, KANAZAWA UNIVERSITY, JAPAN.

2892 PIJCK, J.
PRACTICAL APPLICATIONS OF ANALYSIS BY RADIOACTIVATION. DETERMINATION OF MANGANESE IN BOTANICAL SAMPLES.
J. PHARM. BELG., 20, 131-136 (MARCH-APRIL 1965). (FRENCH) (ENGLISH SUMMARY). LABORATOIRE DE CHIMIE ANALYTIQUE, FACULTE DE MEDECINE, UNIVERSITE DE GAND, BELGIUM.

2901 GIRARDI, F. * MERLINI, M. * PAULY, J. * PIETRA, R.
PROGRESS TOWARDS AUTOMATED RADIOCHEMICAL SEPARATIONS.
RADIOCHEMICAL METHODS OF ANALYSIS. IAEA VIENNA, VOL. I, 3-14, 1965. (ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES). EURATOM JOINT NUCLEAR RESEARCH CENTER, ISPRA ESTABLISHMENT, VARESE, ITALY.

2902 PALINO, G.F.
NEUTRON ACTIVATION ANALYSIS OF RHENIUM IN ROCKS.
THESIS. IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY, 56P., JULY 1965. (ENGLISH). IOWA STATE UNIVERSITY, AMES, IOWA.

2904 DA SILVA FILHO, J.G. * ABRAO, A. * LIMA, F.W.
ACTIVATION ANALYSIS OF GOLD IN ORES SAMPLES.
IEA-98, 20P., AUGUST 1965. (ENGLISH). RADIOCHEMISTRY DIVISION, INSTITUTO DE ENERGIA ATOMICA, SAO PAULO, BRAZIL.

2920 KAWASHIMA, T.
ONE USEFUL METHOD IN ACTIVATION ANALYSIS. DETERMINATION OF IMPURITIES IN YTTRIUM.
DENKI TSUSHIN KENKYUSHO KENKYU JITSUYOKA HOKOKU, 13, 1835-1843 (NOVEMBER 1964). (JAPANESE). JAPAN.

2921 RAKOVIC, M.
APPLICATION OF NEUTRON ACTIVATION ANALYSIS FOR DETERMINING PROPERTIES OF ORGANIC MATERIALS.
JADERNA ENERGIE, 11, 182-183 (MAY 1965), (CZECH),
KATEDRA LEKARSKE FYZIKY A NUKLEARNI MEDICINY FAKULTY VSFOBECNEHO LEKARSTVI KARLOVY UNIVERSITY, PRAHA, CZECHOSLOVAKIA.

2922 POCZE, L.
ACTIVATION ANALYSIS OF METALS.
KOHASZ. LAPOK, 96, 179-183 (APRIL 1963),
(HUNGARIAN), HUNGARY.

2923 STEFANOV, G. * ZIVKOV, Z. * GEORGIEV, N. * POPOV, C. * MICHAJLOV, M. * NENOV, V. * TOMOV, T. * TOLGYESSY, J.
DETERMINATION OF GOLD IN MINERAL RAW MATERIALS BY MEANS OF NEUTRON ACTIVATION ANALYSIS.
CHEM. ZVESTI, 18, 661-668 (SEPTEMBER 1964),
(CZECH), LABORATORJA AKTIVACIONEN ANALIZ, SOFIJA, BULGARIA.

2924 BONDY, C.
THE RADIOCHEMICAL LABORATORY OF L ATOME INDUSTRIEL.
CHIM. ANAL., 48, 23-31 (JANUARY 1966), (FRENCH), FRANCE.

2926 GOMEZ, H. * BARO, G.B.
NEUTRON ACTIVATION ANALYSIS OF HUMAN HAIRS AND NAILS FOR DETERMINING ARSENIC TRACES.
PRIMERA CONFERENCIA INTERAMERICANA DE RADIOQUIMICA, WASHINGTON, D.C., UNION PANAMERICANA, 51-55, 1965, (SPANISH), COMISION NACIONAL DE ENERGIA ATOMICA, BUENOS AIRES, ARGENTINA.

2927 PLATZER, R. * BAUDIN, G.
THE INFLUENCE OF THE IMPERATIVES OF UTILIZATION AND OF THE PRODUCTION POSSIBILITIES ON THE CHOICE OF ANALYTICAL METHODS.
BULL. SOC. CHIM. FRANCE, NO. 2, 535-538 (FEBRUARY 1965), (FRENCH), COMMISSARIAT A L ENERGIE ATOMIQUE, SERVICE DE CHIMIE, SECTION D ETUDES ANALYTIQUES, CEN, SACLAY, FRANCE.

2929 BROWN, R.C. * WEAVER, M.L. * STEEN, H.
QUANTITATIVE DETERMINATION OF COPPER IN POTATO
TISSUE USING NEUTRON ACTIVATION ANALYSIS AND
ELECTRODEPOSITION OF COPPER,
ANAL. BIOCHEM., 16, NO. 1, 119-131 (1966),
(ENGLISH). WASHINGTON STATE UNIVERSITY, PULLMAN,
WASHINGTON.

2930 GIAMBASTIANI, R. * DA SILVA FILHO, J.G. * LIMA, F.W.
DETERMINATION OF CHLORINE AND COPPER IN HIGH
PURITY WATER BY RADIOACTIVATION ANALYSIS,
IEA-97, 14P., AUGUST 1965. (ENGLISH) (FRENCH AND
SPANISH SUMMARIES). INSTITUTO DE ENERGIA ATOMICA,
SAO PAULO, BRAZIL.

2931 LEDDICOTTE, G.W. * EMERY, J.F. * BATE, L.C.
THE ASSAY, CHARACTERISTICS, COMPOSITION, AND
ORIGIN OF OPIUM. I. THE PRELIMINARY STUDY ON THE
USE OF ACTIVATION ANALYSIS IN THE DETERMINATION OF
THE ORIGIN OF OPIUM,
ORNL-TM-1263, 22P., SEPTEMBER 7, 1965. (ENGLISH).
OAK RIDGE NATIONAL LABORATORY, OAK RIDGE,
TENNESSEE.

2932 MINCZEWSKI, J. * DYBCZYNSKI, R.
DETERMINATION OF RARE EARTHS BY NEUTRON ACTIVATION
METHOD USING ION-EXCHANGE CHROMATOGRAPHY.
ANALYSIS OF SPECTRALLY PURE ERBIUM OXIDE,
CHEM. ANAL. (WARSAW), 10, 1113-1122 (1965).
(ENGLISH) (POLISH SUMMARY). DEPARTMENT OF
ANALYTICAL CHEMISTRY, INSTITUTE OF NUCLEAR
RESEARCH, WARSZAWA, POLAND.

2933 GORIN, E. * YAVORSKY, P.M.
CRITICAL EVALUATION OF THE STATUS OF THE NEUTRON
ACTIVATION METHOD FOR COAL ANALYSIS. REPORT NO.
1,
TID-22474, 28P., JUNE 16, 1964. (ENGLISH). USA.

2934 KWIECINSKI, S. * MATULA, J.
THE APPLICATION OF SEVERAL METHODS OF NUCLEAR
PHYSICS AND RADIOCHEMISTRY FOR INVESTIGATIONS AND
MEASUREMENTS IN THE CEMENT AND LIME INDUSTRY,
CEMENT-WAPNO-GIPS, 18/28, NO. 7-8, 167-174 (1963),
(POLISH) (ENGLISH SUMMARY). INSTYTUT TECHNIKI
JADROWEJ AGH, POLAND.

2936 ALBERT, P.
APPLICATION OF RADIOELEMENTS TO INVESTIGATING THE PURIFICATION OF METALS BY THE ZONE REFINING METHOD. SYSTEMATIC ANALYSIS AFTER IRRADIATION WITH NEUTRONS.
NEW PHYSICAL AND CHEMICAL PROPERTIES OF METALS OF VERY HIGH PURITY. NEW YORK, GORDON AND BREACH SCIENCE PUBLISHERS, 1-51, 1965. (ENGLISH). METALLURGICAL CHEMICAL RESEARCH CENTER, VITRY, FRANCE.

2937 KEENAN, R.G.
RECENT ADVANCES IN PHYSICAL METHODS OF ANALYSIS.
ARCH. ENVIRON. HEALTH, 10, 583-592 (APRIL 1965). (ENGLISH). CINCINNATI, OHIO.

2938 KENNEDY, J.H.
ANALYSIS OF DISEASED AND NORMAL LUNG TISSUE FOR TRACE ANTIMONY CONTENT BY NEUTRON ACTIVATION ANALYSIS.
AMER. J. MED. SCI., 251, 37-39 (JANUARY 1966). (ENGLISH). DEPARTMENT OF SURGERY, WESTERN RESERVE UNIVERSITY SCHOOL OF MEDICINE AND CLEVELAND METROPOLITAN GENERAL HOSPITAL, CLEVELAND, OHIO.

2939 GUINN, V.P.
MODERN NEUTRON ACTIVATION ANALYSIS NEW TECHNIQUES AND NEW APPLICATIONS.
PRIMERA CONFERENCIA INTERAMERICANA DE RADIOQUIMICA. WASHINGTON, D.C., UNION PANAMERICANA, 317-327, 1965. (ENGLISH). GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORPORATION, SAN DIEGO, CALIFORNIA.

2940 TATAR, J.
THE APPLICATION OF NEUTRON-ACTIVATION FOR QUICK ANALYSIS OF BAUXITES.
GEOFIZ. KOZLEMEN., 13, 463-475 (1964). (HUNGARIAN) (RUSSIAN AND ENGLISH SUMMARIES). BUDAPEST, HUNGARY.

2941 TATAR, J.
THE APPLICATION OF NUCLEAR GEOPHYSICS TO DETERMINE THE QUALITY OF COALS.
GEOFIZ. KOZLEMEN., 13, 477-493 (1964). (HUNGARIAN) (RUSSIAN AND ENGLISH SUMMARIES). BUDAPEST, HUNGARY.

2942 SMITH, H.
ESTIMATION OF ARSENIC IN BIOLOGICAL TISSUE BY
ACTIVATION ANALYSIS, PART 1.
J. FORENSIC MEDICINE, 8, 165-171 (1961).
(ENGLISH). DEPARTMENT OF FORENSIC MEDICINE,
UNIVERSITY OF GLASGOW, GLASGOW, SCOTLAND.

2943 LENIHAN, J.M.A.
THE APPLICATION OF NUCLEAR PHYSICS TO THE STUDY OF
HISTORICAL PROBLEMS.
TRANS. RHODESIA SCI. ASSN., 50, 80-85 (1964).
(ENGLISH). WESTERN REGIONAL HOSPITAL BOARD,
GLASGOW, SCOTLAND.

2945 SAYRE, E.V.
REFINEMENT IN METHODS OF NEUTRON ACTIVATION
ANALYSIS OF ANCIENT GLASS OBJECTS THROUGH THE USE
OF LITHIUM DRIFTED GERMANIUM DIODE COUNTERS.
BNL-9614, 28P., 1965. (ENGLISH). BROOKHAVEN
NATIONAL LABORATORY, UPTON, N.Y.

2946 BORG, D.C.
BIOLOGICAL AND MEDICAL APPLICATIONS OF
RADIOACTIVATION ANALYSIS.
BNL-10130, 23P., APRIL 5, 1966. (ENGLISH).
BROOKHAVEN NATIONAL LABORATORY, UPTON, N.Y.

2947 STEELE, F.L.
VARIABLE-ENERGY NEUTRON ACTIVATION ANALYSIS.
GA-6591, 44P., SEPTEMBER 17, 1965. (ENGLISH).
GENERAL ATOMIC, GENERAL DYNAMICS, SAN DIEGO,
CALIFORNIA.

2948 STEELE, E.L.
HE-3 CHARGED PARTICLES IN ACTIVATION ANALYSIS.
FINAL REPORT.
GA-6568, 35P., JULY 15, 1965. (ENGLISH). GENERAL
ATOMIC. GENERAL DYNAMICS, SAN DIEGO, CALIFORNIA.

2949 HOLM, D.M.
MEASUREMENT OF THE MICROSCOPIC DISTRIBUTION OF
OXYGEN AND CARBON IN METALS BY HE-3 ACTIVATION.
LA-DC-7319. 4P., UNDATED. (ENGLISH). LOS ALAMOS
SCIENTIFIC LABORATORY, LOS ALAMOS, N.M.

2950 KIESL, W. * SORANTIN, H. * BILDSTEIN, H.
DETERMINATION OF IMPURITIES IN ALUMINUM BY MEANS
OF ACTIVATION ANALYSIS.
ATOMPRAXIS, 12, NO. 3, 130-135 (MARCH 1966),
(GERMAN). INSTITUT FUR CHEMIE, REAKTORZENTRUM
SEIBERSDORF, OSTERREICH, AUSTRIA,

2951 ALIAN, A.
ACTIVATION ANALYSIS THROUGH ADDITION OF QUOTE
STANDARD UNQUOTE AND SOLVENT EXTRACTION,
PRINCIPLE OF THE METHOD,
AEET-217, 5P., 1965, (ENGLISH), ATOMIC ENERGY
ESTABLISHMENT TROMBAY, BOMBAY, INDIA,

2954 CAMPA, J.P.
INVESTIGATION OF RAPID SEPARATION TECHNIQUES FOR
GE, SE, AND AS FOR THE PURPOSE OF ACTIVATION
ANALYSIS,
PRIMERA CONFERENCIA INTERAMERICANA DE
RADIOQUIMICA, WASHINGTON, D.C., UNION
PANAMERICANA, 57-60, 1965, (SPANISH), COMISION
NACIONAL DE ENERGIA ATOMICA, BUENOS AIRES,
ARGENTINA,

2956 TATAR, J.
OPERATIONAL CONTROL OF THE APPLICABILITY OF
ACTIVATION ANALYSIS TO THE BAUXITE INDUSTRY,
ATOMTECH, TAJEKOZTATO, 8, 15-17 (1965),
(HUNGARIAN), HUNGARY,

2957 TSETSKHLADZE, T.V. * FELKER, V.M. *
KOLOMIITSEV, M.A.
ACTIVATION DETECTOR FOR THERMAL NEUTRONS,
AT, ENERG, (USSR), 20, 272-273 (MARCH 1966),
(RUSSIAN), RUSSIA,

2958 SMITH, H.
ARSENIC IN BIOLOGICAL TISSUE. ITS ESTIMATION BY
ACTIVATION ANALYSIS, PART 2.
J. FORENSIC MEDICINE, 9, 143-149 (OCTOBER-DECEMBER
1962). (ENGLISH), DEPARTMENT OF FORENSIC
MEDICINE, UNIVERSITY OF GLASGOW, SCOTLAND,

2959 RUCH, R.R. * BUCHANAN, J.D. * GUINN, V.P. *
BELLANCA, S.C. * PINKER, R.H.
NEUTRON ACTIVATION ANALYSIS IN SCIENTIFIC CRIME
DETECTION--SOME RECENT DEVELOPMENTS,
J. FORENSIC SCIENCE, 9, 119-133 (JANUARY 1964),
(ENGLISH), SAN DIEGO, CALIFORNIA,

2963 JULIANO, J.O.
ACTIVATION ANALYSIS BY PHOTONEUTRON COUNTING,
SCI. REV., 6, 8-18 (JANUARY-FEBRUARY 1965).
(ENGLISH). PHILIPPINE ATOMIC RESEARCH CENTER,
MANILA.

2964 LACONI, A, * BRANCATO, G. * MELFI, F,
DOSIMETRY OF COLLOIDAL RADIO-GOLD BY MEANS OF
NEUTRON ACTIVATION ANALYSIS WITH A LOW POWER
REACTOR,
RADIOL. MED., 51, 112-122 (OCTOBER 1965),
(ITALIAN) (FRENCH AND ENGLISH SUMMARIES),
UNIVERSITA DI PALERMO, ITALY,

2965 BERZIN, A,K, * SULIN, V,V, * BELOV, V,I, *
VITOZHENTS, G,C, * MARTYNOV, Y,T, * SUSLOW, V,G, *
SHORNIKOV, S,I.
GAMMA-ACTIVATION ANALYSIS OF ROCK AND ORE SAMPLES,
RADIOISOTOPE INSTRUMENTS IN INDUSTRY AND
GEOPHYSICS. IAEA, VIENNA, STI/PUB/112, 323-347,
1966. (RUSSIAN) (ENGLISH, FRENCH AND SPANISH
SUMMARIES). RUSSIA,

2966 FILIPPOV, E,M, * ZHAVORONKOV, V,Y, * VAKHTIN, B,S.
STUDIES ON THE DEVELOPMENT OF EQUIPMENT AND A
METHOD FOR DETERMINING CERTAIN ELEMENTS USING
RESONANCE AND THERMAL NEUTRONS,
RADIOISOTOPE INSTRUMENTS IN INDUSTRY AND
GEOPHYSICS. IAEA, VIENNA, STI/PUB/112, 151-158,
1966. (RUSSIAN) (ENGLISH, FRENCH AND SPANISH
SUMMARIES). RUSSIA,

2968 SANCHEZ IZQUIERDO, J, * TANARRO SANZ, A, *
RODRIQUEZ MAYQUEZ, E,
AUTOMATIC SYSTEM FOR ACQUISITION OF NUCLEAR DATA
WITH PAPER TAPE OUTPUT.
AUTOMATIC ACQUISITION AND REDUCTION OF NUCLEAR
DATA, KARLSRUHE, GERMANY, GESELLSCHAFT FUER
KERNFORSCHUNG MBH, 458-462, 1964, (ENGLISH).
JUNTA DE ENERGIA NUCLEAR, MADRID, SPAIN,

2969 JOHNSON, P. * WEBER, E,J. * CARTER, H,E, *
KROBER, M,S,
DETECTION OF PHOSPHOLIPIDS ON PAPER CHROMATOGRAMS
BY NEUTRON ACTIVATION,
J. LIPID RES., 6, 425-427 (JULY 1965), (ENGLISH),
BIOCHEMISTRY DIVISION, NOYES LABORATORY OF
CHEMISTRY, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS.

2970 MALVANO, R.
NEUTRON ACTIVATION ANALYSIS IN METALLURGY.
ATOMPRAXIS, 11, NO. 6, 309-314 (JUNE 1965).
(ENGLISH). SORIN CENTRO RICERCHE NUCLEARI,
SALUGGIA, ITALY.

2971 NIELSON, J.M. * KORNBERG, H.A.
MULTIDIMENSIONAL GAMMA-RAY SPECTROMETRY AND ITS
USE IN BIOLOGY.
RADIOISOTOPE SAMPLE MEASUREMENT TECHNIQUES IN
MEDICINE AND BIOLOGY. IAEA, VIENNA, 3-15, 1965.
(ENGLISH) (FRENCH, RUSSIAN AND SPANISH SUMMARIES).
BATTELLE MEMORIAL INSTITUTE, PACIFIC NORTHWEST
LABORATORY, RICHLAND, WASHINGTON.

2972 MULVEY, P.F., JR. * CARDARELLI, J.A. * MEYER, R.A.
* COOPER, R. * BURROWS, B.A.
SENSITIVITY OF BREMSSTRAHLUNG ACTIVATION ANALYSIS
FOR IODINE DETERMINATION.
RADIOISOTOPE SAMPLE MEASUREMENT TECHNIQUES IN
MEDICINE AND BIOLOGY. IAEA, VIENNA, 249-258,
1965. (ENGLISH) (FRENCH, RUSSIAN AND SPANISH
SUMMARIES). BOSTON VETERANS ADMINISTRATION
HOSPITAL, U.S. ARMY NATICK LABORATORIES, AND
BOSTON UNIVERSITY SCHOOL OF MEDICINE, BOSTON,
MASSACHUSETTS.

2973 HORI, R.
THE ACTIVATION ANALYSIS OF SODIUM AND POTASSIUM IN
BIOLOGICAL MATERIAL.
RADIOISOTOPE SAMPLE MEASUREMENT TECHNIQUES IN
MEDICINE AND BIOLOGY. IAEA, VIENNA, 259-264,
1965. (ENGLISH) (FRENCH, RUSSIAN AND SPANISH
SUMMARIES). BIOLOGICAL INSTITUTE, TOYAMA
UNIVERSITY, TOYAMA, JAPAN.

2975 EHMANN, W.D.
AUTOMATED FAST NEUTRON ACTIVATION ANALYSIS.
AT. ENERGY AUSTRALIA, 8, 10-14 (APRIL 1965).
(ENGLISH). DEPARTMENT OF GEOPHYSICS, AUSTRALIAN
NATIONAL UNIVERSITY, CANBERRA, AUSTRALIA.

2976 GANGADHARAN, S. * SANKAR DAS, M.
PARTICLE SIZE DISTRIBUTION BY ACTIVATION
SEDIMENTATION.
PROCEEDINGS OF THE NUCLEAR AND RADIATION CHEMISTRY
SYMPOSIUM, 1964, TROMBAY, INDIA, ATOMIC ENERGY
ESTABLISHMENT, 175-179, 1965. (ENGLISH).
ANALYTICAL DIVISION, ATOMIC ENERGY ESTABLISHMENT
TROMBAY, BOMRBBBAAY, INDIA.

2977 HINGORANI, S.B. * CHANDRASEKARAN, V.R.
DETERMINATION OF STABLE STRONTIUM IN MILK BY
NEUTRON ACTIVATION ANALYSIS.
PROCEEDINGS OF THE NUCLEAR AND RADIATION CHEMISTRY
SYMPOSIUM, 1964, TROMBAY, INDIA, ATOMIC ENERGY
ESTABLISHMENT, 66-68, 1965. (ENGLISH). HEALTH
PHYSICS DIVISION, ATOMIC ENERGY ESTABLISHMENT
TROMBAY, BOMBAY, INDIA.

2978 RUCH, R.R. * DE VOE, J.R.
RADIOCHEMICAL SEPARATION OF COPPER BY AMALGAM
EXCHANGE.
ANAL. CHEM., 39, NO. 11, 1333-1335 (SEPTEMBER
1967). (ENGLISH). ACTIVATION ANALYSIS SECTION,
ANALYTICAL CHEMISTRY DIVISION, NATIONAL BUREAU OF
STANDARDS, WASHINGTON, D.C.

2979 LOBANOV, E.M. * KHUSNUTDINOV, R.I.
DETERMINATION OF HAFNIUM IN ZIRCONS AND THEIR
PRODUCTS BY THE NEUTRON-ACTIVATION METHOD WITHOUT
RADIOCHEMICAL SEPARATION.
DOKL. AKAD. NAUK UZSSR, NO. 1, 31-34 (1966).
(RUSSIAN). RUSSIA.

2981 MORGAN, D.J. * DUXBURY, G.
THE DETERMINATION OF CHLORINATED HYDROCARBONS IN
THE ATMOSPHERE BY ACTIVATION ANALYSIS.
ANN. OCCUPATIONAL HYG., 8, 253-256 (JULY 1965).
(ENGLISH). HEALTH PHYSICS AND MEDICAL DIVISION,
AERE, HARWELL, ENGLAND.

2982 PENDHARKAR, M.S. * REDDY, G.R.
DETERMINATION OF IODIDE IN PRESENCE OF LARGE
AMOUNTS OF BROMIDE AND CHLORIDE BY NEUTRON
ACTIVATION ANALYSIS.
PROCEEDINGS OF THE NUCLEAR AND RADIATION CHEMISTRY
SYMPOSIUM, 1964, TROMBAY, INDIA, ATOMIC ENERGY
ESTABLISHMENT, 63-65, 1965. (ENGLISH).
ANALYTICAL DIVISION, ATOMIC ENERGY ESTABLISHMENT,
TROMBAY, BOMBAY, INDIA.

2983 PERDIJON, J.
THE RAPID AND NONDESTRUCTIVE DETERMINATION OF
OXYGEN IN STEELS BY RADIOACTIVATION.
BULL. INFORM. A.T.E.N., NO. 57, SUPPL., 3-6
(JANUARY-FEBRUARY 1966). (FRENCH). CIVIL DES
MINES A LA S.A.M.E.S., FRANCE.

2984 RAO, S.R. * KHAN, A.A. * KAMATH, P.R.
STABLE STRONTIUM IN SEA WATER BY ACTIVATION TECHNIQUE.
PROCEEDINGS OF THE NUCLEAR AND RADIATION CHEMISTRY SYMPOSIUM, 1964, TROMBAY, INDIA, ATOMIC ENERGY ESTABLISHMENT, 199-204, 1965, (ENGLISH), HEALTH PHYSICS DIVISION, ATOMIC ENERGY ESTABLISHMENT TROMBAY, BOMBAY, INDIA.

2985 SMITH, H. * LENIHAN, J.M.A.
BIOLOGICAL APPLICATIONS OF ACTIVATION ANALYSIS.
METHODS OF FORENSIC SCIENCE, A.S. CURRY, EDITOR, INTERSCIENCE, LONDON, VOL. III, 69-111 (1964), (ENGLISH), DEPARTMENT OF FORENSIC MEDICINE, THE UNIVERSITY, GLASGOW, SCOTLAND.

2987 NEW BRUNSWICK LABORATORY, AEC
ANNUAL PROGRESS REPORT FOR THE PERIOD JULY 1964 THROUGH JUNE 1965.
NBL-230, 85P., DECEMBER 1965, (ENGLISH), NEW BRUNSWICK LABORATORY, AEC, NEW BRUNSWICK, N.J.

2989 DYBCZYNSKI, R. * STERLINSKI, S.
DETERMINATION OF TRACES OF CESIUM IN MINERAL SALTS BY MEANS OF NEUTRON ACTIVATION - ION EXCHANGE CHROMATOGRAPHY METHOD.
PROCEEDINGS OF THE ANALYTICAL CHEMICAL CONFERENCE, BUDAPEST, 398-407, 1966, (ENGLISH), ANALYTICAL CHEMISTRY DIVISION OF THE INSTITUTE OF NUCLEAR RESEARCH, WARSAW, POLAND.

2990 RAKOVIC, M. * MARTINCOVA, Z.
RANDOM ERRORS IN NEUTRON-ACTIVATION ANALYSIS.
ATOMPRAXIS 12, NO. 6, 306-307 (1966), (ENGLISH) (GERMAN AND FRENCH SUMMARIES), DEPARTMENT OF MEDICAL PHYSICS AND NUCLEAR MEDICINE OF THE MEDICAL FACULTY, CHARLES UNIVERSITY, PRAGUE, CZECHOSLOVAKIA.

2991 LIEBERMAN, K.W.
THE DETERMINATION OF BROMINE IN TERRESTRIAL AND EXTRATERRESTRIAL MATERIALS BY NEUTRON ACTIVATION ANALYSIS.
ORO-2670-13, 166P., JULY 1, 1966, (ENGLISH), DEPARTMENT OF CHEMISTRY, UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY.

2998 NIELSEN, J.M. * BEASLEY, T.M.
RADIOCHEMICAL DETERMINATION OF PLUTONIUM FOR RADIOLOGICAL PURPOSES.
PLUTONIUM HANDBOOK. A GUIDE TO THE TECHNOLOGY. VOL 2, WICK, O.J. (ED.), NEW YORK, GORDON AND BREACH, SCIENCE PUBLISHERS, 921-936, 1967, (ENGLISH). BATTELLE MEMORIAL INSTITUTE, PACIFIC NORTHWEST LABORATORY, RICHLAND, WASHINGTON.

2999 WESTER, P.O.
TRACE ELEMENTS IN THE CONDUCTIVE TISSUE OF BEEF HEART DETERMINED BY NEUTRON ACTIVATION ANALYSIS.
ACTA MED. SCAND., 178, 789-799 (DECEMBER 1965). (ENGLISH). DEPARTMENT OF MEDICINE, KAROLINSKA INSTITUTET AT SERAFIMERLASARTTET, STOCKHOLM, SWEDEN.

3005 KLINE, J.R.
AN INVESTIGATION OF COPPER AND OTHER SELECTED ELEMENTS IN SOILS UTILIZING GAMMA RADIATIONS INDUCED BY THERMAL NEUTRON ACTIVATION.
THESIS. MINNEAPOLIS, UNIVERSITY OF MINNESOTA, 199P., 1964, (ENGLISH). UNIVERSITY OF MINNESOTA, MINNEAPOLIS, MINNESOTA.

3011 BRAIER, H.A. * MOTT, W.E.
ACTIVATION ANALYSIS AND TECHNICAL SERVICE PROBLEMS.
PROCEEDINGS AMERICAN PETROLEUM INSTITUTE, 44, (III), 253-263 (1964).(ENGLISH). GULF RESEARCH AND DEVELOPMENT CO., PITTSBURGH, PA.

3027 KING, R.W. * CERATO, C.C. * MELCHIORE, J.J.
USE OF NEUTRON ACTIVATION IN A STUDY OF THE OXIDATION OF ELECTRICAL OILS.
PROCEEDINGS AMERICAN PETROLEUM INSTITUTE, 44, (III), 247-252 (1964). (ENGLISH). SUN OIL CO., MARCUS HOOK, PA.

3028 GUINN, V.P. * LUKENS, H.R., JR. * STEELE, E.L.
THE ROLE OF SMALL ACCELERATORS AND NUCLEAR REACTORS IN NEUTRON ACTIVATION ANALYSIS OF PETROLEUM.
PROCEEDINGS AMERICAN PETROLEUM INSTITUTE, 44, (III), 234-246 (1964). (ENGLISH). GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORP., SAN DIEGO, CALIF.

3033 ISHII, D. * HIROSE, Y. * MORI, H.
DETERMINATION OF HYDROGEN IN ORGANIC SOLVENTS BY PROMPT RADIATION EMITTED DURING THERMAL NEUTRON BOMBARDMENT,
BUNSEKI KAGAKU, 15, 601-604 (JUNE 1966),
(JAPANESE) (ENGLISH SUMMARY), FACULTY OF ENGINEERING, NAGOYA UNIVERSITY, CHIKUSA-KU, NAGOYA, JAPAN,

3058 STRAIN, J.E.
USE OF NEUTRON GENERATORS IN ACTIVATION ANALYSIS,
PROG. NUCL. ENERGY, SER, IX, 4, 137-157 (1965).
(ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE,

3059 RASMUSSEN, N.C. * THOMPSON, T.J.
NEUTRON AND GAMMA-RAY SPECTROSCOPY AND ACTIVATION ANALYSIS. FINAL REPORT, JANUARY 1, 1961-JANUARY 1, 1966,
AD-633252, 176P., FEBRUARY 1966, (ENGLISH),
MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MASSACHUSETTS,

3060 MAXIA, V. * ROLLIER, M.A.
PULSE NEUTRON ACTIVATION-ANALYSIS DETERMINATION OF SELENIUM IN BIOLOGICAL SAMPLES,
TRANS. AMER, NUCL, SOC., 9, 69 (JUNE 1966).
(ENGLISH). UNIVERSITY PAVIA, ITALY,

3061 THOMAS, C.C., JR. * TERCHO, G.P. * SONDEL, J.A.
NEUTRON ACTIVATION ANALYSIS OF BLOOD SERUM. PART I. COPPER AND ZINC,
TRANS. AMER, NUCL, SOC., 9, 69-70 (JUNE 1966),
(ENGLISH). WESTERN NEW YORK NUCLEAR RESEARCH CENTER, INC., BUFFALO, NEW YORK,

3062 HAHN, K.J. * HAVEN, M.C. * TUMA, D.J. * OGBORN, R.E. * QUAIFE, M.A.
THE DETERMINATION OF MANGANESE IN TISSUES BY NEUTRON ACTIVATION ANALYSIS,
TRANS. AMER, NUCL, SOC., 9, 71 (JUNE 1966).
(ENGLISH). VETERANS ADMINISTRATION HOSPITAL, OMAHA, NEBRASKA,

3063 GUINN, V.P.
THE DETERMINATION OF OXYGEN-18 BY ACTIVATION ANALYSIS WITH 14-MEV NEUTRONS AND THE OXYGEN-18 (N, ALPHA) CARBON-15 REACTION,
TRANS. AMER, NUCL. SOC., 9, 83 (JUNE 1966).
(ENGLISH). GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORP., SAN DIEGO, CALIFORNIA.

3064 MENON, M.P. * RUSSELL, H.T. * WAINERDI, R.E.
SCANNING OF IMPURITIES IN METALLIC FOILS BY TWO-DIMENSIONAL ACTIVATION ANALYSIS,
TRANS. AMER, NUCL. SOC., 9, 86-87 (JUNE 1966).
(ENGLISH). TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS.

3065 KRISHNAN, S.S.
DETERMINATION OF MUZZLE-TARGET DISTANCE IN GUNSHOT FIRINGS BY NEUTRON ACTIVATION ANALYSIS,
TRANS. AMER, NUCL. SOC., 9, 88-89 (JUNE 1966).
(ENGLISH). ATTORNEY GENERALS LABORATORY, TORONTO, CANADA.

3066 AUSTRALIAN ATOMIC ENERGY COMMISSION
THIRTEENTH ANNUAL REPORT FOR THE YEAR ENDING JUNE 30, 1965.
NP-15612, 100P., UNDATED, (ENGLISH). AUSTRALIAN ATOMIC ENERGY COMMISSION, AUSTRALIA.

3067 AUSTRALIAN ATOMIC ENERGY COMMISSION
FOURTEENTH ANNUAL REPORT FOR THE YEAR ENDING JUNE 30, 1966.
AAEC REPORT, 103P., UNDATED, (ENGLISH). AUSTRALIAN ATOMIC ENERGY COMMISSION, AUSTRALIA.

3070 BENJAMIN, R.W. * ENGLAND, L.D. * BLAKE, K.R. * MORGAN, I.L. * HOUSTON, C.D.
DEUTERON ACTIVATION ANALYSIS FOR C, N, AND O IN HIGH-PURITY METALLIC SURFACES,
TRANS. AMER, NUCL. SOC., 9, 104 (JUNE 1966).
(ENGLISH). TEXAS NUCLEAR CORP., AUSTIN, TEXAS.

3071 RICCI, E. * HAHN, R.L.
SENSITIVITIES FOR HE-3 ACTIVATION-ANALYSIS DETERMINATION OF LIGHT ELEMENTS (Z EQUALS 4 TO 20).
TRANS. AMER, NUCL. SOC., 9, 104-105 (JUNE 1966).
(ENGLISH). OAK RIDGE NATIONAL LABORATORY, TENNESSEE.

3072 GUINN, V.P. * LUKENS, H.R.
THE PHOTONEUTRON DETERMINATION OF BERYLLIUM AND DEUTERIUM.
TRANS. AMER. NUCL. SOC., 9, 106-107 (JUNE 1966). (ENGLISH). GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORP., SAN DIEGO, CALIFORNIA.

3073 ANDERSON, G.H. * KEMPCHINSKY, P.C. * LAVERTY, A.
THE DETERMINATION OF OXYGEN IN BERYLLIUM-COMPARISON OF NEUTRON ACTIVATION AND BROMINE-METHANOL METHODS.
TRANS. AMER. NUCL. SOC., 9, 107 (JUNE 1966). (ENGLISH). GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORP., SAN DIEGO, CALIFORNIA.

3074 ROSS, W.J. * STRAIN, J.E. * LANDRY, J.W.
MONITORING OF LEACHED FUEL ELEMENTS WITH A NEUTRON GENERATOR.
TRANS. AMER. NUCL. SOC., 9, 107-108 (JUNE 1966). (ENGLISH). OAK RIDGE NATIONAL LABORATORY, TENNESSEE.

3075 KUEHNE, F.J. * D AGOSTINO, M.D.
THE USE OF SMALL NEUTRON GENERATORS AND A RECENTLY DEVELOPED SIMPLIFIED TECHNIQUE FOR REMOTE SITE ANALYSIS OF METALLIC WEAR PRODUCTS.
TRANS. AMER. NUCL. SOC., 9, 108-109 (JUNE 1966). (ENGLISH). GRUMANN AIRCRAFT ENGINEERING CORP., BETHPAGE, N.Y.

3076 PARKER, C.V., JR. * MARTIN, T.C. * MORGAN, I.L.
NUCLEAR ANALYSIS TECHNIQUES FOR INDUSTRIAL PROCESS CONTROL.
TRANS. AMER. NUCL. SOC., 9, 109 (JUNE 1966). (ENGLISH). TEXAS NUCLEAR CORP., AUSTIN, TEXAS.

3077 ANDERSEN, G.H. * GUINN, V.P. * SETTLE, D.M.
PHOTONUCLEAR ACTIVATION ANALYSIS WITH AN ELECTRON LINEAR ACCELERATOR.
TRANS. AMER. NUCL. SOC., 9, 80-81 (JUNE 1966). (ENGLISH). GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORP., SAN DIEGO, CALIFORNIA.

3078 RUNDO, J. * BUNCE, L.J.
ESTIMATION OF THE TOTAL HYDROGEN CONTENT OF THE HUMAN BODY.
NATURE, 210, 1023-1024 (JUNE 4, 1966). (ENGLISH). ATOMIC ENERGY RESEARCH ESTABLISHMENT, HARWELL, BERKSHIRE, ENGLAND.

3079 JOHANSEN, O. * STEINNES, E.
DETERMINATION OF INDIUM IN STANDARD ROCKS BY
NEUTRON ACTIVATION ANALYSIS.
TALANTA, 13, 1177-1181 (AUGUST 1966). (ENGLISH)
(GERMAN AND FRENCH SUMMARIES). INSTITUTT FOR
ATOMENERGI, KJELLER, NORWAY.

3081 MERRIHJE, C. * TURNER, G.
POTASSIUM-ARGON DATING BY ACTIVATION WITH FAST
NEUTRONS.
J. GEOPHYS. RES., 71, 2852-2857 (JUNE 1, 1966).
(ENGLISH). DEPARTMENT OF PHYSICS, UNIVERSITY OF
CALIFORNIA, BERKELEY, CALIFORNIA.

3082 PAJLY, J. * GUZZI, G. * GIRARDI, F. * BORELLA, A.
APPLICATION OF GAMMA-RAY SPECTROMETRY AND COMPUTER
TECHNIQUES TO THE DETERMINATION OF THE MINIMUM
DETECTABLE CONTENT OF TRACE ELEMENTS IN
NEUTRON-ACTIVATED MATERIALS.
NUCL. INSTRUMENT METHODS, 42, 15-25 (JUNE 1966).
(ENGLISH). NUCLEAR CHEMISTRY LABORATORY AND
SCIENTIFIC DATA PROCESSING CENTER, EURATOM, ISPRA,
VARESE, ITALY.

3084 RUZICKA, J. * STARY, J. * ZEMAN, A.
SUBSTOICHIOMETRIC DETERMINATION OF TRACES OF
MERCURY BY ACTIVATION ANALYSIS AND ISOTOPIC
DILUTION.
J. ANAL. CHEM., USSR, 19, NO. 8, 868-872 (AUGUST
1964). ≡≡≡≡ENGLISH TRANSLATION). CZECH HIGHER
TECHNICAL SCHOOL, PRAGUE, CZECHOSLOVAKIA.

3085 GAHN, R.F. * ROSENBLUM, L.
ACCURACY OF THREE METHODS FOR DETERMINATION OF
OXYGEN IN POTASSIUM AT CONCENTRATIONS LESS THAN 20
PPM.
ANAL. CHEM., 38, 1014-1018 (JULY 1966).
(ENGLISH). LEWIS RESEARCH CENTER, NATIONAL
AERONAUTICS AND SPACE ADMINISTRATION, CLEVELAND,
OHIO.

3086 SOREMARK, R.
MICRO ELEMENT ANALYSIS BY NEUTRON ACTIVATION.
PROGRESS IN ATOMIC MEDICINE, NEW YORK, GRUNE AND
STRATTON. VOL. I, 54-77, 1965. (ENGLISH).
HARVARD SCHOOL OF DENTAL MEDICINE, BOSTON, MASS.

3087 PLAKSIN, I,N, * STARCHIK, L,P, * TUSTANOVSKII, V,T,
PRASEODYMIUM AND NEODYMIUM DETERMINATION BY MEANS
OF THE (N,2N) REACTION,
DOKL, AKAD, NAUK SSSR, 165, 1095-1096 (DECEMBER
11, 1965), (RUSSIAN), RUSSIA,

3088 LOBANOV, E,M, * CHANYSHEV, A,I, * CHANYSHEVA, T,I,
DETERMINATION OF SCANDIUM CONTENT IN ROCKS BY
MEANS OF ACTIVATION ANALYSIS,
IZV, AKAD, NAUK UZ, SSR, SER, FIZ,-MAT, NAUK, NO,
3, 66-68 (1965), (RUSSIAN), RUSSIA,

3089 LOBANOV, E,M, * CHANYSHEV, A,I, * CHANYSHEVA, T,I,
QUANTITATIVE DETERMINATION OF FLUORINE IN FLUORITE
ROCK AND OF THE PRODUCTS OF ITS TREATMENT BY
ACTIVATION METHOD USING POLONIUM-BERYLLIUM NEUTRON
SOURCE,
IZV, AKAD, NAUK UZ, SSR, SER, FIZ,-MAT, NAUK, NO,
3, 68-69 (1965), (RUSSIAN), RUSSIA,

3090 PERDIJON, J,
RAPID DETERMINATION OF OXYGEN IN METALS BY
RADIOACTIVATION,
REV, MET, (PARIS), 63, 27-32 (JANUARY 1966),
(FRENCH), S,A, DE MACHINES ELECTROSTATIQUES
(SAMES), GRENOBLE, FRANCE,

3091 ZMIJEWSKA, W, * MINCZEWSKI, J,
DETERMINATION OF SOME MACROCOMPONENTS OF SOIL
SOLUTIONS BY NEUTRON ACTIVATION ANALYSIS,
PLANT NUTRIENT SUPPLY AND MOVEMENT, IAEA VIENNA,
TECHNICAL REPORTS SERIES NO, 48, 110-122, 1965,
(ENGLISH), INSTITUTE OF NUCLEAR RESEARCH,
ANALYTICAL DEPARTMENT, WARSAW, POLAND,

3092 NISHIGAKI, S,
ACTIVATION ANALYSIS IN SOIL/PLANT RELATION STUDIES
IN SOUTH-EAST ASIA,
PLANT NUTRIENT SUPPLY AND MOVEMENT, IAEA VIENNA,
TECHNICAL REPORTS SERIES NO, 48, 122-124, 1965,
(ENGLISH), NATIONAL INSTITUTE OF AGRICULTURAL
SCIENCES, NISHIGAHARA, KITAKU, TOKYO, JAPAN,

3093 CHO, C.M. * AXMANN, H,
DETERMINATION OF MICRO-QUANTITIES OF SEVERAL
ELEMENTS IN SOIL SOLUTION BY ISOTOPE DILUTION AND
ACTIVATION ANALYSES,
PLANT NUTRIENT SUPPLY AND MOVEMENT, IAEA VIENNA,
TECHNICAL REPORTS SERIES NO, 48, 125-130, 1965,
(ENGLISH), AGRICULTURE SECTION, SEIBERSDORF
LABORATORY, IAEA, VIENNA, AUSTRIA.

3098 HEYDORN, K,
MULTIPLE CARRIER ADDITION FOLLOWED BY
REIRRADIATION YIELD MEASUREMENT FOR THE
DETERMINATION OF ARSENIC IN HAIR AND BIOLOGICAL
MATERIAL.
TRANS, AMER, NUCL, SOC., 9, 70-71 (JUNE 1966),
(ENGLISH), GENERAL ATOMIC DIVISION, GENERAL
DYNAMICS CORP., SAN DIEGO, CALIFORNIA,

3099 HEYDORN, K.
IMPROVEMENT OF ACCURACY IN ACTIVATION ANALYSIS BY
MULTIPLE-CARRIER ADDITION FOLLOWED BY REACTIVATION
YIELD DETERMINATION,
TRANS, AMER, NUCL, SOC., 9, 86 (JUNE 1966),
(ENGLISH), GENERAL ATOMIC DIVISION, GENERAL
DYNAMICS CORP., SAN DIEGO, CALIFORNIA,

3100 GRABER, F.M, * LUKENS, H.R, * HEYDORN, K,
THE DETERMINATION OF TERBIUM, ERBIUM, YTTERBIUM,
AND YTTRIUM BY NEUTRON ACTIVATION ANALYSIS,
TRANS, AMER, NUCL, SOC., 9, 87 (JUNE 1966),
(ENGLISH), GENERAL ATOMIC DIVISION, GENERAL
DYNAMICS CORP., SAN DIEGO, CALIFORNIA,

3101 LUKENS, H.R, * GRABER, F.M, * SETTLE, D.M,
HALOGEN DETERMINATION ERRORS DUE TO RADIOLYSIS AND
RECOIL IN NEUTRON ACTIVATION ANALYSIS,
TRANS, AMER, NUCL, SOC., 9, 88 (JUNE 1966),
(ENGLISH), GENERAL ATOMIC DIVISION, GENERAL
DYNAMICS CORP., SAN DIEGO, CALIFORNIA,

3102 CORLESS, J.T,
STABLE ISOTOPE MEASUREMENTS BY PRECISION NEUTRON
ACTIVATION ANALYSIS,
TRANS, AMER, NUCL, SOC., 9, 89-90 (JUNE 1966),
(ENGLISH), UNIVERSITY OF RHODE ISLAND, KINGSTON,
R.I,

3105 BACHMANN, K. * HECKER, A.B.H. * LIESER, K.H.
DETERMINATION OF TH-230 AND TH-232 IN URANIUM ORES.
Z. ANAL. CHEM., 239, 340-346 (1966). (GERMAN) (ENGLISH SUMMARY). LEHRSTUHL FUR KERNCHEMIE, TECHNISCHE HOCHSCHULE DARMSTADT, GERMANY.

3117 CONNALLY, R.E. * LEBOEUF, M.B.
ANALYSIS OF RADIONUCLIDE MIXTURES USING A GAMMA-BETA SCINTILLATION SPECTROMETER.
ANAL. CHEM., 25, NO. 7, 1095-1100 (JULY 1953). (ENGLISH). HANFORD WORKS, GENERAL ELECTRIC CO., RICHLAND, WASHINGTON.

3126 FINSTON, H.L. * WELLWART, Y. * BISHOP, W.
NEUTRON-CHARGED PARTICLE REACTIONS. THE ANALYSIS OF THIN LITHIUM AND BORON FILMS.
CONF-151-1, 17P., UNDATED. (ENGLISH). BROOKHAVEN NATIONAL LABORATORY, UPTON, L.I., N.Y.

3283 BURNS, R.S.
PRELIMINARY STUDY OF NEUTRON ACTIVATION ANALYSIS SERVICE. GAMMA-RAY SCINTILLATION SPECTROMETRY AND SPECTRUM ANALYSIS. (THESIS).
AD-621017, 100P., AUGUST 1965. (ENGLISH). AIR FORCE INSTITUTE OF TECHNOLOGY, WRIGHT-PATTERSON AFB, OHIO.

3328 ARGONNE NATIONAL LABORATORY
ANALYTICAL RESEARCH AND DEVELOPMENT.
ANL-7175, 217-225, UNDATED. (ENGLISH). ARGONNE NATIONAL LABORATORY, ARGONNE, ILLINOIS.

3333 GREENDALE, A.E. * LOVE, D.L.
A SYSTEM FOR RAPID HANDLING OF AN IRRADIATED SOLUTION.
NUCLEAR INSTRUMENTS AND METHODS, 23, 209-212 (1963). (ENGLISH). U.S. NAVAL RADIOLOGICAL DEFENSE LABORATORY, SAN FRANCISCO, CALIF.

3334 RAKOVIC, M. * LANGEROVA, I. * TALPOVA, H.
DETERMINATION OF POTASSIUM IN BIOLOGICAL MATERIAL BY VARIOUS METHODS OF NEUTRON-ACTIVATION ANALYSIS.
ATOMPRAXIS, 12, NO. 7, 1-4 (1966). (ENGLISH) (GERMAN AND FRENCH SUMMARIES). BIOPHYSICAL INSTITUTE OF THE MEDICAL FACULTY, CHARLES UNIVERSITY, PRAGUE, CZECHOSLOVAKIA.

3335 BARWINSKI, A. * GORSKI, L. * JANCZYSZYN, J. * KORBEL, K. * KWIECINSKI, S. * LOSKA, L. * OSTACHOWICZ, J.
AN AUTOMATIC ACTIVATION ANALYSIS SYSTEM (AAAS) WITH THE USE OF FAST NEUTRON GENERATOR.
ISOTOPENPRAXIS, 2, NO. 8, 322=328 (1966).
(ENGLISH). INSTITUTE OF NUCLEAR TECHNIQUES, ACADEMY OF MINING AND METALLURGY, CRACOW, POLAND.

3336 HEADRIDGE, J.B. * PIERCE, T.B. * ANDERSON, D.M.W.
ANALYTICAL CHEMISTRY.
ANN. REP. PROGR. CHEM., CHEM. SOC. LONDON, 61, 527=566 (1964). (ENGLISH). DEPARTMENT CHEMISTRY, THE UNIVERSITY, SHEFFIELD, ENGLAND.

3341 HYODO, H. * BANDO, S.
DETERMINATION OF COPPER CONTENT IN O=DIPHENOL OXIDASE BY NEUTRON ACTIVATION ANALYSIS.
AGR. BIOL. CHEM. (TOKYO), 29, 763-768 (AUGUST 1965). (ENGLISH). LABORATORY OF BIOCHEMISTRY, FACULTY OF AGRICULTURE, NAGOYA UNIVERSITY, ANJO, AICHI, JAPAN.

3342 KIM, J.I. * KIM, C.K. * CHANG, W.P.
THE DETERMINATION OF GOLD IN ASSAY PROCESS BY THERMAL NEUTRON ACTIVATION ANALYSIS.
TA HAN HUA HSUEH HUI=CHIH, 7, 165-169 (JUNE 1963). (ENGLISH) (KOREAN SUMMARY). ATOMIC ENERGY RESEARCH INSTITUTE, KOREA.

3344 LEE, C=J. * KIM, C=K. * PARK, J=H.
THERMAL NEUTRON ACTIVATION ANALYSIS OF V AND MN IN GINSENG USING 3.76=MINUTE V=52 AND 2.58=HOUR MN=56.
TA HAN HUA HSUEH HUI=CHIH, 7, 13=16 (MARCH 1963). (KOREAN) (ENGLISH SUMMARY). ATOMIC ENERGY RESEARCH INSTITUTE, KOREA.

3345 KLINE, J.R. * RUST, R.H.
FRACTIONATION OF COPPER IN NEUTRON=ACTIVATED SOILS.
SOIL SCI. SOC. AMER. PROC., 30, 188=192 (MARCH=APRIL 1966). (ENGLISH). DIVISION OF BIOLOGICAL AND MEDICAL RESEARCH, ARGONNE NATIONAL LABORATORY, ARGONNE, ILLINOIS.

3346 ABE, S.
ACTIVATION ANALYSIS OF TANTALUM IN NIOBIUM BY
PHOTONUCLEAR REACTION.
NIPPON KAGAKU ZASSHI, 86, 641-643 (JUNE 1965).
(JAPANESE) (ENGLISH SUMMARY). DEPARTMENT OF
CHEMICAL ENGINEERING, YAMAGATA UNIVERSITY,
MOTONAKABA-KUROCHO, YONEZAWA-SHI, JAPAN.

3350 BOGANCS, J. * QUITTNER, P. * SZABO, E.
NON-DESTRUCTIVE NEUTRON ACTIVATION ANALYSIS FOR
ROUTINE TESTING OF IMPURITIES IN SEMICONDUCTOR
SILICON.
PROC. SYMP. ON TEST METHODS AND MEASUREMENTS OF
SEMICONDUCTOR DEVICES, BUDAPEST, 1-12, 1967.
(ENGLISH). CENTRAL RESEARCH INSTITUTE OF PHYSICS,
BUDAPEST, HUNGARY.

3351 ANDERS, O.U.
USE OF CHARGED PARTICLES FROM A 2-MEGAVOLT VAN DE
GRAAFF ACCELERATOR FOR ELEMENTAL SURFACE ANALYSIS.
ANAL. CHEM., 38, 1441-1452 (OCTOBER 1966).
(ENGLISH). RADIOCHEMISTRY RESEARCH LABORATORY,
THE DOW CHEMICAL CO., MIDLAND, MICHIGAN.

3352 EHMANN, W.D. * TANNER, J.T.
THE ABUNDANCE OF ANTIMONY IN METEORITES.
EARTH AND PLANETARY SCIENCE LETTERS, 1, 276-279
(1966). (ENGLISH). DEPARTMENT OF CHEMISTRY,
UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY.

3353 STEELE, E.L.
COMPUTER DATA REDUCTION IN NEUTRON ACTIVATION
ANALYSIS.
PROCEEDINGS AMERICAN PETROLEUM INSTITUTE, 44,
(III), 271-276 (1964). (ENGLISH). GENERAL ATOMIC
DIVISION, GENERAL DYNAMICS CORP., SAN DIEGO,
CALIF.

3355 HULL, R.L.
FAST-NEUTRON ACTIVATION ANALYSIS USING SMALL
ACCELERATORS.
PROCEEDINGS AMERICAN PETROLEUM INSTITUTE, 44,
(III), 264-270 (1964). (ENGLISH). HUMBLE OIL AND
REFINING CO., BAYTOWN, TEXAS.

3356 YOUNG, M.H. * SINGHAL, N.S.
UNFOLDING OF GAMMA-RAY SPECTRA BY STEPWISE STATISTICAL METHOD. TECHNICAL REPORT, SEPTEMBER 1964-JANUARY 1965.
AD-622200, 25P., JULY 1965, (ENGLISH). AIR FORCE FLIGHT DYNAMICS LABORATORY, WRIGHT-PATTERSON AFB, OHIO.

3357 TWITTY, B.L. * FRITZ, K.M.
THE DETERMINATION OF OXYGEN IN MAGNESIUM, STEEL, AND TITANIUM. INTERNAL STANDARD TECHNIQUES IN 14-MEV ACTIVATION ANALYSIS.
NLCO-979, 21P., JUNE 1, 1966, (ENGLISH).
NATIONAL LEAD COMPANY OF OHIO, CINCINNATI, OHIO.

3358 FRISCHAUF, H. * ALTMANN, H.
DETERMINATION OF IODINE IN WHOLE SERUM AND IN BLOOD PROTEIN WITH NEUTRON ACTIVATION ANALYSIS.
SGAE-BL-18/1966, 6P., 1966, (GERMAN).
OSTERREICHISCHE STUDIENGESELLSCHAFT FUR ATOMENERGIE, GES.M.B.H., REAKTORZENTRUM, SEIBERSDORF, AUSTRIA.

3360 ALTMANN, H. * FRISCHAUF, H. * ADAMIKER, D. * KAINDL, K.
NEUTRON ACTIVATION ANALYSIS DETERMINATION OF RADIOSENSITIZERS.
SGAE-BL-17/1966, 10P., 1966, (GERMAN).
OSTERREICHISCHE STUDIENGESELLSCHAFT FUR ATOMENERGIE, GES.M.B.H., REAKTORZENTRUM, SEIBERSDORF, AUSTRIA.

3361 LOBANOV, E.M. * ZVYAGIN, V.I. * ZVEREV, B.P. * BLINKOV, D.I.
DETERMINATION OF LIGHT ELEMENTS IN SILICON AND OTHER MATERIALS BY NEUTRON ACTIVATION.
AEC-TR-6639, 1-12, PROCEEDINGS OF THE FIRST. ALL-UNION COORDINATING CONFERENCE. TASHKENT, 24-28 OCTOBER 1962. ISRAEL PROGRAM FOR SCIENTIFIC TRANSLATIONS, JERUSALEM, 1966, (ENGLISH TRANSLATION). INSTITUTE OF NUCLEAR PHYSICS, ACADEMY OF SCIENCES, UZBEK SSR.

3362 ARIPOV, G, * KRYLOV, B.E. * LOBANOV, E.M. * MATVEEV, N.S. * ROMANOV, M.M. * KHAIDAROV, A.A.
A STUDY OF GAMMA SPECTRA OF THERMAL NEUTRON RADIATIVE CAPTURE BY ORE AND MINERAL SAMPLES.
AEC-TR-6639, 13-17. PROCEEDINGS OF THE FIRST ALL-UNION COORDINATING CONFERENCE. TASHKENT, 24-28 OCTOBER 1962. ISRAEL PROGRAM FOR SCIENTIFIC TRANSLATIONS, 1966. (ENGLISH TRANSLATION). INSTITUTE OF NUCLEAR PHYSICS, ACADEMY OF SCIENCES, UZBEK SSR.

3363 MASLOV, I.A. * OBUKHOV, A.P.
MEASUREMENT OF THE VAPORIZATION RATE OF ZIRCONIUM FROM A ZRC HOT CATHODE BY THE NEUTRON-ACTIVATION METHOD.
AEC-TR-6639, 22-27. PROCEEDINGS OF THE FIRST ALL-UNION COORDINATING CONFERENCE. TASHKENT, 24-28 OCTOBER 1962. ISRAEL PROGRAM FOR SCIENTIFIC TRANSLATIONS, 1966. (ENGLISH TRANSLATION). PHYSICAL-TECHNICAL INSTITUTE IM. A.F. IOFFE, ACADEMY OF SCIENCES, USSR.

3364 SHAMAEV, V.I.
DETERMINATION OF NITROGEN IN ORGANIC COMPOUNDS BY FAST-NEUTRON ACTIVATION.
AEC-TR-6639, 32-35. PROCEEDINGS OF THE FIRST ALL-UNION COORDINATING CONFERENCE. TASHKENT, 24-28 OCTOBER 1962. ISRAEL PROGRAM FOR SCIENTIFIC TRANSLATIONS, JERUSALEM, 1966. (ENGLISH TRANSLATION). MOSCOW CHEMICAL ENGINEERING INSTITUTE IM. D.I. MENDELEEV.

3365 SMAKHTIN, L.A. * FILIPPOVA, N.V. * BROVTSYN, V.K.
ACTIVATION ANALYSIS OF SOME ORGANIC COMPOUNDS.
AEC-TR-6639, 46-49. PROCEEDINGS OF THE FIRST ALL-UNION COORDINATING CONFERENCE. TASHKENT, 24-28 OCTOBER 1962. ISRAEL PROGRAM FOR SCIENTIFIC TRANSLATIONS, JERUSALEM, 1966. (ENGLISH TRANSLATION). BRANCH OF THE PHYSICO-CHEMICAL INSTITUTE IM. L. YA. KARPOV.

3366 LEIPUNSKAYA, D.I.
USE OF NEUTRON-ACTIVATION ANALYSIS IN PROSPECTING FOR MINERALS.
AEC-TR-6639, 50-54. PROCEEDINGS OF THE FIRST ALL-UNION COORDINATING CONFERENCE. TASHKENT, 24-28 OCTOBER 1962. ISRAEL PROGRAM FOR SCIENTIFIC TRANSLATIONS, JERUSALEM, 1966. (ENGLISH TRANSLATION). ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF NUCLEAR GEOPHYSICS AND GEOCHEMISTRY.

3367 PEREZHOGIN, G.A. * ALIMARIN, I.P.
DETERMINATION OF TRACE AMOUNTS OF GOLD IN ROCKS
AND SEDIMENTARY FORMATIONS BY THE
NEUTRON-ACTIVATION METHOD WITHOUT DECOMPOSITION OF
THE SAMPLE.
AEC-TR-6639, 55-59. PROCEEDINGS OF THE FIRST
ALL-UNION COORDINATING CONFERENCE. TASHKENT,
24-28 OCTOBER 1962. ISRAEL PROGRAM FOR SCIENTIFIC
TRANSLATIONS, JERUSALEM, 1966. (ENGLISH
TRANSLATION). INSTITUTE OF GEOCHEMISTRY AND
ANALYTICAL CHEMISTRY OF THE ACADEMY OF SCIENCES OF
THE USSR.

3368 LEIPUNSKAYA, D.I. * PUTYATINA, N.D.
FAST NEUTRON-ACTIVATION DETERMINATION OF SODIUM
AND POTASSIUM IN SMALL POWDERED SAMPLES OF
ALUMINOSILICATE ROCKS.
AEC-TR-6639, 64-66. PROCEEDINGS OF THE FIRST
ALL-UNION COORDINATING CONFERENCE. TASHKENT,
24-28 OCTOBER 1962. ISRAEL PROGRAM FOR SCIENTIFIC
TRANSLATIONS, JERUSALEM, 1966. (ENGLISH
TRANSLATION). ALL-UNION SCIENTIFIC-RESEARCH
INSTITUTE OF NUCLEAR GEOPHYSICS AND GEOCHEMISTRY.

3369 LOBANOV, E.M. * CHANYSHEV, A.I. * DUTOV, A.G. *
KHUDAIBERGANOV, A. * ASHIROV, M.G.
DETERMINATION OF IMPURITIES IN BORON AND IN QUARTZ
CRYSTALS BY THE NEUTRON ACTIVATION METHOD.
AEC-TR-6639, 67-69. PROCEEDINGS OF THE FIRST
ALL-UNION COORDINATING CONFERENCE. TASHKENT,
24-28 OCTOBER 1962. ISRAEL PROGRAM FOR SCIENTIFIC
TRANSLATIONS, JERUSALEM, 1966. (ENGLISH
TRANSLATION). INSTITUTE OF NUCLEAR PHYSICS OF THE
ACADEMY OF SCIENCES OF UZBEK SSR.

3370 LOBANOV, E.M. * CHANYSHEV, A.I. * DUTOV, A.I. *
ASHIROV, M.G. * KHUDAIBERGANOV, A.
DETERMINATION OF ALUMINUM IN KAOLIN CLAYS BY THE
NEUTRON-ACTIVATION METHOD.
AEC-TR-6639, 70-73. PROCEEDINGS OF THE FIRST
ALL-UNION COORDINATING CONFERENCE. TASHKENT,
24-28 OCTOBER 1962. ISRAEL PROGRAM FOR SCIENTIFIC
TRANSLATIONS, JERUSALEM, 1966. (ENGLISH
TRANSLATION). INSTITUTE OF NUCLEAR PHYSICS OF THE
ACADEMY OF SCIENCES OF UZBEK SSR.

3371 LOBANOV, E.M. * NOVIKOV, A.P. * CHANYSHEV, A.I. * DUTOV, A.G. * ASHIROV, M.G. * KHUDAIBERGANOV, A.
DETERMINATION OF COPPER IN CORES BY ACTIVATION ANALYSIS.
AEC-TR-6639, 74-77. PROCEEDINGS OF THE FIRST ALL-UNION COORDINATING CONFERENCE. TASHKENT, 24-28 OCTOBER 1962. ISRAEL PROGRAM FOR SCIENTIFIC TRANSLATIONS, JERUSALEM, 1966. (ENGLISH TRANSLATION). INSTITUTE OF NUCLEAR PHYSICS OF THE ACADEMY OF SCIENCES OF UZBEK SSR.

3372 LOBANOV, E.M. * CHANYSHEV, A.I.
LARGE-SCALE DETERMINATION OF COPPER IN CORES BY THE NEUTRON-ACTIVATION METHOD.
AEC-TR-6639, 78-81. PROCEEDINGS OF THE FIRST ALL-UNION COORDINATING CONFERENCE. TASHKENT, 24-28 OCTOBER 1962. ISRAEL PROGRAM FOR SCIENTIFIC TRANSLATIONS, JERUSALEM, 1966. (ENGLISH TRANSLATION). INSTITUTE OF NUCLEAR PHYSICS OF THE ACADEMY OF SCIENCES OF UZBEK SSR.

3373 PLAKSIN, I.N. * ALEKSANDROV, C.A. * STARCHIK, L.P.
APPLICATION OF NEUTRON-ACTIVATION ANALYSIS TO THE DETERMINATION OF COPPER IN BENEFICIATION PRODUCTS.
AEC-TR-6639, 82-85. PROCEEDINGS OF THE FIRST ALL-UNION COORDINATING CONFERENCE. TASHKENT, 24-28 OCTOBER 1962. ISRAEL PROGRAM FOR SCIENTIFIC TRANSLATIONS, JERUSALEM, 1966. (ENGLISH TRANSLATION). MINING INSTITUTE IM. A.A. SKOCHINSKII.

3374 PLAKSIN, I.N. * PETKOV, P.M. * STARCHIK, L.P. * STOGOVA, G.B.
THE POSSIBILITY OF DETERMINING SILVER IN SOLUTION BY THE NEUTRON-ACTIVATION METHOD.
AEC-TR-6639, 92-96. PROCEEDINGS OF THE FIRST ALL-UNION COORDINATING CONFERENCE. TASHKENT, 24-28 OCTOBER 1962. ISRAEL PROGRAM FOR SCIENTIFIC TRANSLATIONS, JERUSALEM, 1966. (ENGLISH TRANSLATION). MINING INSTITUTE IM. A.A. SKOCHINSKII.

3375 PLAKSIN, I.N. * BELYAKOV, M.A. * STARCHIK, L.P.
GAMMA-SPECTROMETRIC DETERMINATION OF CESIUM BY THE NEUTRON-ACTIVATION METHOD.
AEC-TR-6639, 97-102. PROCEEDINGS OF THE FIRST ALL-UNION COORDINATING CONFERENCE. TASHKENT, 24-28 OCTOBER 1962. ISRAEL PROGRAM FOR SCIENTIFIC TRANSLATIONS, JERUSALEM, 1966. (ENGLISH TRANSLATION). MINING INSTITUTE IM. A.A. SKOCHINSKII.

3376 PLAKSIN, I.N. * STARCHIK, L.P. * MALYSHEVA, N.G.
DETERMINATION OF ELEMENTS OF HIGH THERMAL-NEUTRON-CAPTURE CROSS SECTIONS IN BENEFICIATION PRODUCTS BY THE NEUTRON-ABSORPTION METHOD.
AEC-TR-6639, 114-117. PROCEEDINGS OF THE FIRST ALL-UNION COORDINATING CONFERENCE. TASHKENT, 24-28 OCTOBER 1962. ISRAEL PROGRAM FOR SCIENTIFIC TRANSLATIONS, JERUSALEM, 1966. (ENGLISH TRANSLATION). MINING INSTITUTE IM A.A. SKOCHINSKII.

3379 PLAKSIN, I.N. * ANCHEVSKII, E.V. * RUSSKAYA, E.I. * STARCHIK, L.P.
DETERMINATION OF TUNGSTEN IN SOLUTIONS BY THE METHOD OF ABSORPTION OF SOFT GAMMA QUANTA.
AEC-TR-6639, 126-130. PROCEEDINGS OF THE FIRST ALL-UNION COORDINATING CONFERENCE. TASHKENT, 24-28 OCTOBER 1962. ISRAEL PROGRAM FOR SCIENTIFIC TRANSLATIONS, JERUSALEM, 1966. (ENGLISH TRANSLATION). MINING INSTITUTE IM. A.A. SKOCHINSKII.

3380 STEVENSON, P.C.
PROCESSING OF COUNTING DATA.
NAS-NS-3109, 167P., SEPTEMBER 24, 1965. (ENGLISH). UNIVERSITY OF CALIFORNIA, LAWRENCE RADIATION LABORATORY, LIVERMORE, CALIF.

3381 MASLOV, I.A. * OBUKHOV, A.P.
POSSIBILITIES OF SETTING UP A NEUTRON-ACTIVATION ANALYSIS MODEL FOR SPECIAL-PURITY SUBSTANCES.
AEC-TR-6639, 18-21. PROCEEDINGS OF THE FIRST ALL-UNION COORDINATING CONFERENCE. TASHKENT, 24-28 OCTOBER 1962. ISRAEL PROGRAM FOR SCIENTIFIC TRANSLATIONS, JERUSALEM, 1966. (ENGLISH TRANSLATION). PHYSICAL-TECHNICAL INSTITUTE IM. A.F. IOFFE, ACADEMY OF SCIENCES, USSR.

3382 POTAPOVA, T.A. * POLESHCHUK, T.V.
NEUTRON-ACTIVATION ANALYSIS OF SPECIAL-PURITY ALUMINUM.
AEC-TR-6639, 28-31. PROCEEDINGS OF THE FIRST ALL-UNION COORDINATING CONFERENCE. TASHKENT, 24-28 OCTOBER 1962. ISRAEL PROGRAM FOR SCIENTIFIC TRANSLATIONS, JERUSALEM, 1966. (ENGLISH TRANSLATION). ALL-UNION ALUMINUM-MAGNESIUM INSTITUTE.

3383 MOISEEV, V.V. * KUZNETSOV, R.A. * KALININ, A.I.
NEUTRON-ACTIVATION ANALYSIS OF SILICA USING ION-EXCHANGE CHROMATOGRAPHY,
AEC-TR-6639, 36-41. PROCEEDINGS OF THE FIRST ALL-UNION COORDINATING CONFERENCE. TASHKENT, 24-28 OCTOBER 1962. ISRAEL PROGRAM FOR SCIENTIFIC TRANSLATIONS, JERUSALEM, 1966. (ENGLISH TRANSLATION). INSTITUTE OF SILICATE CHEMISTRY, ACADEMY OF SCIENCES, USSR.

3384 LEJSHKINA, G.V. * LOBANOV, E.M. * ZVYAGIN, V.I. * DUTOV, A.G.
DETERMINATION OF IMPURITIES IN SILICON CARBIDE,
AEC-TR-6639, 42-45. PROCEEDINGS OF THE FIRST ALL-UNION COORDINATING CONFERENCE. TASHKENT, 24-28 OCTOBER 1962. ISRAEL PROGRAM FOR SCIENTIFIC TRANSLATIONS, JERUSALEM, 1966. (ENGLISH TRANSLATION). INSTITUTE OF NUCLEAR PHYSICS, ACADEMY OF SCIENCES, UZBEK SSR.

3385 LOBANOV, E.M. * MIRANSKII, I.A. * POZYCHANYUK, V.F. * SAIFUTDINOVA, D.G. * KHAIDAROV, A.A.
A MORE EFFECTIVE DETERMINATION OF GOLD IN ORES BY ACTIVATION ANALYSIS,
AEC-TR-6639, 60-63. PROCEEDINGS OF THE FIRST ALL-UNION COORDINATING CONFERENCE. TASHKENT, 24-28 OCTOBER 1962. ISRAEL PROGRAM FOR SCIENTIFIC TRANSLATIONS, JERUSALEM, 1966. (ENGLISH TRANSLATION). INSTITUTE OF NUCLEAR PHYSICS OF THE ACADEMY OF SCIENCES OF UZBEK SSR.

3386 LOBANOV, E.M. * BABAEV, A. * NURMATOV, D.
DETERMINATION OF RARE-EARTH ELEMENTS IN ACCESSORY MINERALS BY THE NEUTRON-ACTIVATION METHOD.
AEC-TR-6639, 86-91. PROCEEDINGS OF THE FIRST ALL-UNION COORDINATING CONFERENCE. TASHKENT, 24-28 OCTOBER 1962. ISRAEL PROGRAM FOR SCIENTIFIC TRANSLATIONS, JERUSALEM, 1966. (ENGLISH TRANSLATION). INSTITUTE OF NUCLEAR PHYSICS OF THE ACADEMY OF SCIENCES OF UZBEK SSR.

3387 SHIRYAEVA, M.B. * SALMIN, Y.P.
DETERMINATION OF TANTALUM IN ROCKS AND MINERALS BY THE NEUTRON-ACTIVATION METHOD,
AEC-TR-6639, 103-107. PROCEEDINGS OF THE FIRST ALL-UNION COORDINATING CONFERENCE. TASHKENT, 24-28 OCTOBER 1962. ISRAEL PROGRAM FOR SCIENTIFIC TRANSLATIONS, JERUSALEM, 1966. (ENGLISH TRANSLATION). ALL-UNION INSTITUTE OF MINERAL RAW MATERIALS.

3388 KIST, A.A, * ZVYAGINA, L.S, * LOBANOV, E.M, * NIKOLAEV, A.I, * ZVYAGIN, V.I,
FAST RADIOCHEMICAL SEPARATION IN ACTIVATION ANALYSIS OF BIOLOGICAL MATTER,
AEC-TR-6639, 108-113, PROCEEDINGS OF THE FIRST ALL-UNION COORDINATING CONFERENCE, TASHKENT, 24-28 OCTOBER 1962, ISRAEL PROGRAM FOR SCIENTIFIC TRANSLATIONS, JERUSALEM, 1966, (ENGLISH TRANSLATION). INSTITUTE OF NUCLEAR PHYSICS OF THE ACADEMY OF SCIENCES OF UZBEK SSR,

3389 NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL
SOURCE MATERIAL FOR RADIOCHEMISTRY,
NAS-NRC-1351, 82P,, 1965, (ENGLISH), NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL, WASHINGTON, D.C,

3391 DEAN, M.H, * STIMSON, A, * GREEN, D.E,
THE ROUTINE DETERMINATION OF URANIUM IN VEGETATION ASH,
ANAL, CHIM, ACTA, 35, 530-533 (AUGUST 1966), (ENGLISH), ATOMIC WEAPONS RESEARCH ESTABLISHMENT, ALDERMASTON, BERKSHIRE, ENGLAND,

3393 RAKOVIC, M, * PROCHAZKOVA, Z,
PRECIPITATION METHODS IN NEUTRON ACTIVATION ANALYSIS, I, CO-PRECIPITATION OF SODIUM IN POTASSIUM PERCHLORATE PRECIPITATION,
CHEM, ZVESTI, 20, 293-298 (1966), (CZECH) (RUSSIAN AND GERMAN SUMMARIES), KATEDRA LEKARSKE FYSIKY A NUKLEARNI MEDICINY, FAKULTY VSEOBECNEHO LEKARSTVI KARLOVY UNIVERSITY, PRAHA, CZECHOSLOVAKIA,

3394 KOCHEROV, N.P, * PERFILOV, N.A,
MEASUREMENTS OF PHOTOLYTIC SILVER IN EMULSIONS BY MEANS OF ACTIVATION ANALYSIS,
ZH, NAUCH, PRIKL, FOTOGR, KINEMATOGR,, 9, 360-363 (SEPTEMBER-OCTOBER 1964), (RUSSIAN), RUSSIA,

3395 LOBANOV, E.M. * GUREEV, E.S. * DUTOV, A.G, * KIST, A.A,
A RADIOACTIVATION METHOD FOR DETERMINING THE RARE-EARTHS IN SOME MINERALS AND ROCKS,
J. ANAL. CHEM., USSR, 21, NO, 3, 258-261 (MARCH 1966). (ENGLISH TRANSLATION), INSTITUTE OF NUCLEAR PHYSICS, ACADEMY OF SCIENCES, UZBEK SSR, TASHKENT.

3396 KUKULA, F. * KRIVANEK, M.
THE USE OF THENOYLTRIFLUORACETONE FOR THE SUBSTOICHIOMETRIC DETERMINATION OF SCANDIUM BY ACTIVATION ANALYSIS.
JJV-1512, 15P., 1966, (ENGLISH) (CZECH SUMMARY), CESKOSLOVENSKA AKADEMIE VED USTAV JADERNEHO VYZKUMU, PRAHY, CZECHOSLOVAKIA.

3397 BILDSTEIN, H. * AUER-WELSBACH, H. * MANHARTSBERGER, H.
A REPORT ON QUANTITATIVE ACTIVATION ANALYTICAL PURITY DETERMINATION OF RARE EARTH OXIDES.
SGAE-CH-27/1966, 11P., 1966, (GERMAN), OSTERREICHISCHE STUDIENGESELLSCHAFT FUR ATOMENERGIE, REAKTORZENTRUM SEIBERSDORF, AUSTRIA.

3399 OKADA, M.
POSSIBILITY OF ELEMENTAL ANALYSIS BY USE OF NEUTRON-CAPTURE GAMMA-RAYS DUE TO NEUTRONS FROM LOW-LEVEL SOURCES.
REPORTS OF THE GOVERNMENT CHEMICAL INDUSTRIAL RESEARCH INSTITUTE, 61, NO. 10, 448-455 (1966), (JAPANESE) (ENGLISH SUMMARY), GOVERNMENT CHEMICAL INDUSTRIAL RESEARCH INSTITUTE, TOKYO, JAPAN.

3403 TILBURY, R.S.
ACTIVATION ANALYSIS WITH CHARGED PARTICLES.
NAS-NS-3110, 43P., UNDATED, (ENGLISH), UNION CARBIDE CORPORATION, TUXEDO, NEW YORK.

3411 ADAMS, F. * HOSTE, J.
NON-DESTRUCTIVE ACTIVATION ANALYSIS.
ATOMIC ENERGY REVIEW, 4, NO. 2, 113-180 (1966), (ENGLISH), INSTITUTE FOR NUCLEAR SCIENCES, STATE UNIVERSITY OF GHENT, GHENT, BELGIUM.

3413 PERNECZKY, G. * QUITTNER, P.
TABLES FOR FAST IDENTIFICATION OF GAMMA-EMITTERS FROM THE COMBINED HALF-LIFE AND ENERGY DATA.
KFKI-5, 1-4, 1967, (ENGLISH), HUNGARIAN ACADEMY OF SCIENCES, CENTRAL RESEARCH INSTITUTE FOR PHYSICS, BUDAPEST, HUNGARY.

3414 ISHIDA, K. * KURODA, R. * KAWABUCHI, K.
DETERMINATION OF RHENIUM BY NEUTRON ACTIVATION.
ANAL. CHIM. ACTA, 36, NO. 1, 18-24 (1966), (ENGLISH) (FRENCH AND GERMAN SUMMARIES), LABORATORY OF ANALYTICAL CHEMISTRY, FACULTY OF ENGINEERING, THE UNIVERSITY OF CHIBA, CHIBA, JAPAN.

3418 LIHL, F. * PATEK, P. * SORANTIN, H.
APPLICATION OF NEUTRON ACTIVATION ANALYSIS TO THE DETERMINATION OF IMPURITIES IN PURE COPPER.
SGAE-CH-32/1966, 27P., 1966, (GERMAN), INSTITUT FUR CHEMIE, REAKTORZENTRUM SEIBERSDORF, AUSTRIA.

3424 PERKINS, R.W.
GAMMA-RAY SPECTROMETRIC SYSTEMS OF ANALYSIS.
PROGRESS IN NUCLEAR ENERGY SERIES IX - ANAL. CHEM., 1, 163-199 (1959), (ENGLISH), HANFORD LABORATORIES OPERATION, HANFORD ATOMIC PRODUCTS OPERATION, GENERAL ELECTRIC CO., RICHLAND, WASHINGTON.

3426 SALMON, L.
GAMMA RAY SPECTROSCOPY APPLIED TO RADIOACTIVATION ANALYSIS. PART 1. INTRODUCTION AND NUCLEAR DATA.
AERE C/R 2377 (1), 1-92, 1959, (ENGLISH), ATOMIC ENERGY RESEARCH ESTABLISHMENT, HARWELL, BERKSHIRE, ENGLAND.

3438 COVELL, D.F.
QUALITY CONTROL FOR THE GAMMA-RAY SCINTILLATION SPECTROMETER.
NUCLEAR INSTRUMENTS AND METHODS, 22, 101-108 (1963). (ENGLISH), U.S. NAVAL RADIOLOGICAL DEFENSE LABORATORY, SAN FRANCISCO, CALIF.

3443 ELLETT, W.H. * BROWNELL, G.L.
A TOTAL ABSORPTION GAMMA RAY SPECTROMETER COMBINING SODIUM IODIDE AND PLASTIC SCINTILLATORS.
NUCLEAR INSTRUMENTS AND METHODS, 7, 56-62 (1960), (ENGLISH). PHYSICS RESEARCH LABORATORY, MASSACHUSETTS GENERAL HOSPITAL, BOSTON, MASS.

3460 CRUMP, J.G.
NUCLEAR METHODS APPLIED TO ORE BENEFICIATING PROCESSES, PRESENT AND FUTURE.
CONF-650203-4, NATIONAL AIME MEETING, CHICAGO, 10P., FEBRUARY 14-18, 1965, (ENGLISH), NUCLEAR-CHICAGO CORPORATION, DES PLAINES, ILLINOIS.

3461 CUYPERS, M.Y. * HISLOP, J.S. * KUYKENDALL, W.E. * WAINERDI, R.E.
LUNAR AND PLANETARY SURFACE ANALYSIS USING NEUTRON ACTIVATION.
CONF-660207-9, SYMPOSIUM ON RADIOISOTOPE APPLICATIONS IN AEROSPACE, DAYTON, OHIO, 27P., FEBRUARY 15-17, 1966. (ENGLISH). ACTIVATION ANALYSIS RESEARCH LABORATORY, TEXAS A AND M UNIVERSITY, COLLEGE STATION, TEXAS.

3462 BERZIN, A.K. * BESPALOV, D.F. * ZAPOROZHETS, V.M. * KANTOR, S.A. * LEIPUNSKAYA, D.I. * SULIN, V.V. * FELDMAN, I.I. * SHIMELEVICH, Y.S.
PRESENT STATE AND USE OF BASIC NUCLEAR GEOPHYSICAL METHODS FOR INVESTIGATING ROCKS AND ORES.
ATOMIC ENERGY REVIEW, 4, NO. 2, 59-111(1966). (ENGLISH). ALL-UNIONNUCLEAR GEOPHYSICS AND GEOCHEMISTRY RESEARCH, INSTITUTE OF THE STATE GEOLOGICAL COMMITTEE, MOSCOW, RUSSIA.

3464 LOBANOV, E.M. * YANKOVSKII, A.V.
NEUTRON-ACTIVATION METHOD FOR DETERMINING BISMUTH IN ROCK AND ORE SAMPLES.
IZV. AKAD. NAUK UZ. SSR, SER. FIZ-MAT. NAUK, NO. 3, 65-66 (1965), (RUSSIAN). RUSSIA.

3465 WING, J. * WAHLGREN, M.A.
DETECTION SENSITIVITIES IN NUCLEAR ACTIVATION WITH AN ISOTOPIC FAST-NEUTRON SOURCE.
ANAL. CHEM., 39, NO. 1, 85-89 (JANUARY 1967). (ENGLISH). ARGONNE NATIONAL LABORATORY, ARGONNE, ILLINOIS.

3466 GARBRAH, B.W. * WHITLEY, J.E.
DETERMINATION OF BORON BY THERMAL NEUTRON CAPTURE GAMMA-RAY ANALYSIS.
ANAL. CHEM., 39, NO. 3, 345-349 (MARCH 1967). (ENGLISH). SCOTTISH RESEARCH REACTOR CENTER, EAST KILBRIDE, GLASGOW, SCOTLAND.

3467 BAEDECKER, P.A.
THE DISTRIBUTION OF GOLD AND IRIDIUM IN METEORITIC AND TERRESTRIAL MATERIALS.
ORO-2670-17, (THESIS), 110P., FEBRUARY 1, 1967. (ENGLISH). UNIVERSITY OF KENTUCKY, DEPARTMENT OF CHEMISTRY, LEXINGTON, KENTUCKY.

3468 BRUSSELS UNIVERSITY, BELGIUM *
PISA UNIVERSITY, ITALY
NUCLEAR MEDICINE, ANNUAL REPORT, 1964,
EUR-2636,F,I, 56P., APRIL 1966, (ITALIAN) (FRENCH
SUMMARY), UNIVERSITE LIBRE DE BRUXELLES, BELGIUM
AND UNIVERSITA DI PISA, ITALY.

3469 MURRAY, K. * OFFORD, R.E.
USE OF NEUTRON ACTIVATION IN THE CHARACTERIZATION
OF SMALL QUANTITIES OF NUCLEIC ACIDS.
NATURE, 211, NO. 5047, 376-378 (1966), (ENGLISH),
MEDICAL RESEARCH COUNCIL LABORATORY OF MOLECULAR
BIOLOGY, HILLS ROAD, CAMBRIDGE, MASS.

3470 BRUNFELT, A.O. * STEINNES, E.
INSTRUMENTAL NEUTRON ACTIVATION ANALYSIS OF
STANDARD ROCKS.
GEOCHIM. COSMOCHIM. ACTA, 30, NO. 9, 921-928
(1966). (ENGLISH), MINERALOGICAL-GEOLOGICAL
MUSEUM, UNIVERSITY OF OSLO, OSLO, NORWAY.

3472 LOBANOV, E.M. * KHUSNUTDINOV, R.I.
PREPARATION OF IRIDIUM AND RHODIUM REFERENCE
SOLUTIONS FOR RADIOACTIVATION ANALYSIS BY
ELECTROLYTIC DISSOLUTION WITH THE ALTERNATE
CURRENT.
ZH. ANALIT. KHIM., 21, NO. 6, 743-745 (1966).
(RUSSIAN) (ENGLISH SUMMARY) RUSSIA.

3473 LOBANOV, E.M. * KHUSNUTDINOV, R.I.
DETERMINATION OF IRIDIUM IN COPPER AND NICKEL
SLIME AND PLATINUM CONCENTRATES BY NEUTRON
ACTIVATION ANALYSIS, USING SPECTROMETRY OF
COINCIDENCE.
IZV. AKAD. NAUK UZ. SSR, SER. FIZ.-MAT. NAUK, 9,
NO. 6, 72-76 (1965), (RUSSIAN), RUSSIA.

3474 ROCCO, G.G. * GARZON, O.L. * CALI, J.P.
NON-DESTRUCTIVE DETERMINATION OF NITROGEN IN
DIAMOND BY PHOTO ACTIVATION.
INTERN. J. APPL. RADIATION ISOTOPES, 17, NO. 8,
433-440 (1966). (ENGLISH) (FRENCH, RUSSIAN AND
GERMAN SUMMARIES). AIR FORCE CAMBRIDGE RESEARCH
LABORATORIES, OFFICE OF AEROSPACE RESEARCH,
BEDFORD, MASSACHUSETTS.

3475 HARMISON, L.T.
DERIVATIVE NEUTRON ACTIVATION ANALYSIS OF ZINC.
(THESIS).
UNIVERSITY OF MARYLAND, 88P., 1965, (ENGLISH).
UNIVERSITY OF MARYLAND, COLLEGE PARK, MARYLAND.

3476 WASSON, J.T. * KIMBERLIN, J.
DETERMINATION BY NEUTRON ACTIVATION OF GALLIUM AND
GERMANIUM IN IRON METEORITES.
RADIOCHIM. ACTA, 5, NO. 3, 170-174 (1966),
(ENGLISH) (GERMAN AND FRENCH SUMMARIES),
DEPARTMENT OF CHEMISTRY AND INSTITUTE OF
GEOPHYSICS AND PLANETARY PHYSICS, UNIVERSITY OF
CALIFORNIA, LOS ANGELES,

3477 LENIHAN, J.M.A. * THOMSON, S.J.
ACTIVATION ANALYSIS, PRINCIPLES AND APPLICATIONS.
ACTIVATION ANALYSIS, PRINCIPLES AND APPLICATIONS.
LENIHAN, J.M.A., THOMSON, S.J. (EDS.). NEW YORK,
ACADEMIC PRESS, 211P., 1965, (ENGLISH), WESTERN
REGIONAL HOSPITAL BOARD, GLASGOW, SCOTLAND.

3478 THOMSON, S.J.
RADIOCHEMICAL METHODS IN ACTIVATION ANALYSIS.
ACTIVATION ANALYSIS, PRINCIPLES AND APPLICATIONS.
LENIHAN, J.M.A., THOMSON, S.J. (EDS.). NEW YORK,
ACADEMIC PRESS, 73-83, 1965, (ENGLISH),
CHEMISTRY DEPARTMENT, THE UNIVERSITY, GLASGOW,
SCOTLAND.

3479 GIBBONS, D.
ERRORS IN ACTIVATION ANALYSIS.
ACTIVATION ANALYSIS, PRINCIPLES AND APPLICATIONS.
LENIHAN, J.M.A., THOMSON, S.J. (EDS.). NEW YORK,
ACADEMIC PRESS, 85-89, 1965, (ENGLISH), UNITED
KINGDOM ATOMIC ENERGY AUTHORITY, WANTAGE RESEARCH
LABORATORY, WANTAGE, BERKS., ENGLAND.

3480 WHITLEY, J.E.
TRACER TECHNIQUES IN ANALYSIS.
ACTIVATION ANALYSIS, PRINCIPLES AND APPLICATIONS.
LENIHAN, J.M.A., THOMSON, S.J. (EDS.). NEW YORK,
ACADEMIC PRESS, 153-159, 1965, (ENGLISH),
SCOTTISH RESEARCH REACTOR CENTRE, EAST KILBRIDE,
NEAR GLASGOW, SCOTLAND.

3481 MORRIS, D.F.C, * BATCHELOR, J.S.P, GERMANIUM IN THE ROCKS G-1 AND W-1 DETERMINED BY NEUTRON-ACTIVATION ANALYSIS, GEOCHIM. COSMOCHIM. ACTA, 30, 737-738 (JULY 1966), (ENGLISH). DEPARTMENT OF CHEMISTRY, BRUNEL UNIVERSITY, LONDON, ENGLAND.

3482 MELSOM, S, * HOGDAHL, O.T, DETERMINATION OF COPPER IN HYDROGENATED FATS BY NEUTRON ACTIVATION ANALYSIS, ANAL. CHEM., 38, NO. 10, 1414-1415 (1966), (ENGLISH). CENTRAL INSTITUTE FOR INDUSTRIAL RESEARCH, BLINDERN, OSLO, NORWAY.

3483 LEDDICOTTE, G.W. THE ASSAY OF WATER FOR TRACE ELEMENTS BY NEUTRON ACTIVATION ANALYSIS, CONF-651108-2. SYMPOSIUM ON ISOTOPE TECHNIQUES IN THE HYDROLOGIC CYCLE, URBANA, ILLINOIS, NOVEMBER 10-12, 1965, 17P., 1965. (ENGLISH). UNIVERSITY OF MISSOURI, COLUMBIA, MISSOURI.

3485 DE NEVE, R. * DE SOETE, D. * HOSTE, J. THE GE-72 (N, P) GA-72 AND THE GE-72 (N, ALPHA) ZN-69M REACTOR CROSS SECTIONS. INTERFERENCE IN ACTIVATION ANALYSIS OF GALLIUM AND ZINC IN GERMANIUM BY FAST NEUTRON REACTIONS IN THE MATRIX, RADIOCHIMICA ACTA, 5, 188-192 (1966), (ENGLISH) (GERMAN AND FRENCH SUMMARIES). INSTITUTE OF NUCLEAR SCIENCE, GHENT UNIVERSITY, BELGIUM.

3486 BRYAN, D.E. * GUINN, V.P. * SETTLE, D.M. APPLICATIONS OF NEUTRON ACTIVATION ANALYSIS IN SCIENTIFIC CRIME DETECTION. 14-MONTH SUMMARY REPORT. NOVEMBER 1, 1964-DECEMBER 31, 1965. GA-7041, 57P., MARCH 20, 1966, (ENGLISH), JOHN JAY HOPKINS LABORATORY FOR PURE AND APPLIED SCIENCE, SAN DIEGO, CALIFORNIA.

3487 CRAMBES, M. CONTRIBUTION TO THE DETERMINATION OF SB, AG, CU, GA, MO AND ZN USING 14-MEV NEUTRON ACTIVATION, CEA-R-2965. 52P., APRIL 1966. (FRENCH) (ENGLISH SUMMARY). COMMISSARIAT A 1 ENERGIE ATOMIQUE, FRANCE.

3488 BAKER, C.A.
THE DETERMINATION OF ZIRCONIUM IN CERAMIC MAGNESIA
BY NEUTRON ACTIVATION ANALYSIS,
AERE-R-5108, 14P., APRIL 1966, (ENGLISH),
CHEMISTRY DIVISION, ATOMIC ENERGY RESEARCH
ESTABLISHMENT, HARWELL, BERKSHIRE, ENGLAND.

3489 WILSON, H.W.
NUCLEAR REACTIONS,
ACTIVATION ANALYSIS, PRINCIPLES AND APPLICATIONS,
LENIHAN, J.M.A., THOMSON, S.J. (EDS.), NEW YORK,
ACADEMIC PRESS, 9-12, 1965, (ENGLISH),SCOTTISH
RESEARCH REACTOR CENTRE, EAST KILBRIDE, GLASGOW,
SCOTLAND.

3490 LENIHAN, J.M.A.
SCINTILLATION COUNTING,
ACTIVATION ANALYSIS, PRINCIPLES AND APPLICATIONS,
LENIHAN, J.M.A., THOMSON, S.J. (EDS.), NEW YORK,
ACADEMIC PRESS, 13-18, 1965, (ENGLISH), REGIONAL
PHYSICS DEPARTMENT, GLASGOW, SCOTLAND.

3491 GIBBONS, D. * WAINERDI, R.E.
DETECTION OF RADIOACTIVITY,
ACTIVATION ANALYSIS, PRINCIPLES AND APPLICATIONS,
LENIHAN, J.M.A., THOMSON, S.J., (EDS.), NEW YORK,
ACADEMIC PRESS, 19-25, 1965, (ENGLISH), UNITED
KINGDOM ATOMIC ENERGY AUTHORITY, WANTAGE RESEARCH
LABORATORY,WANTAGE, BERKS., ENGLAND AND TEXAS A
AND M UNIVERSITY, COLLEGE OF ENGINEERING, COLLEGE
STATION, TEXAS.

3492 GIBBONS, D.
SCINTILLATION SPECTROMETRY,
ACTIVATION ANALYSIS, PRINCIPLES AND APPLICATIONS,
LENIHAN, J.M.A., THOMSON, S.J. (EDS.), NEW YORK,
ACADEMIC PRESS, 27 -39, 1965, (ENGLISH), UNITED
KINGDOM ATOMIC ENERGY AUTHORITY, WANTAGE RESEARCH
LABORATORY, WANTAGE, BERKS., ENGLAND.

3493 WAINERDI, R.E.
ACTIVATION ANALYSIS, BASIC PRINCIPLES,
ACTIVATION ANALYSIS, PRINCIPLES AND APPLICATIONS,
LENIHAN, J.M.A., THOMSON, S.J. (EDS.), NEW YORK,
ACADEMIC PRESS, 41-45, 1965, (ENGLISH), TEXAS A
AND M UNIVERSITY, COLLEGE OF ENGINEERING, COLLEGE
STATION, TEXAS.

3494 WAINERDI, R.E.
NUCLEAR REACTORS AS SOURCES OF NEUTRONS,
ACTIVATION ANALYSIS, PRINCIPLES AND APPLICATIONS,
LENIHAN, J.M.A., THOMSON, S.J. (EDS.), NEW YORK,
ACADEMIC PRESS, 47-50, 1965, (ENGLISH), TEXAS A
AND M UNIVERSITY, COLLEGE OF ENGINEERING, COLLEGE
STATION, TEXAS.

3495 GUINN, V.P.
USE OF ACCELERATORS AS NEUTRON SOURCES,
ACTIVATION ANALYSIS, PRINCIPLES AND APPLICATIONS,
LENIHAN, J.M.A., THOMSON, S.J. (EDS.), NEW YORK,
ACADEMIC PRESS, 51-55, 1965, (ENGLISH), GENERAL
ATOMIC DIVISION, GENERAL DYNAMICS CORP., SAN
DIEGO, CALIFORNIA.

3496 BYGRAVE, W.
VAN DE GRAAFF GENERATORS AS NEUTRON SOURCES,
ACTIVATION ANALYSIS, PRINCIPLES AND APPLICATIONS,
LENIHAN, J.M.A., THOMSON, S.J. (EDS.), NEW YORK,
ACADEMIC PRESS, 57-60, 1965, (ENGLISH), HIGH
VOLTAGE SERVICING CO, LIMITED, EASTCOTE,
MIDDLESEX, ENGLAND.

3497 GIBBONS, D.
FAST NEUTRON ACTIVATION ANALYSIS,
ACTIVATION ANALYSIS, PRINCIPLES AND APPLICATIONS,
LENIHAN, J.M.A., THOMSON, S.J. (EDS.), NEW YORK,
ACADEMIC PRESS, 61-68, 1965, (ENGLISH), UNITED
KINGDOM ATOMIC ENERGY AUTHORITY, WANTAGE RESEARCH
LABORATORY, WANTAGE, BERKS., ENGLAND.

3498 GUINN, V.P.
NEUTRON ACTIVATION ANALYSIS WITH REACTOR PULSES,
ACTIVATION ANALYSIS, PRINCIPLES AND APPLICATIONS,
LENIHAN, J.M.A., THOMSON, S.J. (EDS.), NEW YORK,
ACADEMIC PRESS, 69-72, 1965, (ENGLISH), GENERAL
ATOMIC DIVISION, GENERAL DYNAMICS CORP., SAN
DIEGO, CALIFORNIA.

3499 WILSON, H.W.
FACTORS AFFECTING THE ACCURACY OF ASSAY,
ACTIVATION ANALYSIS, PRINCIPLES AND APPLICATIONS,
LENIHAN, J.M.A., THOMSON, S.J. (EDS.), NEW YORK,
ACADEMIC PRESS, 91-96, 1965, (ENGLISH), SCOTTISH
RESEARCH REACTOR CENTRE, EAST KILBRIDE, GLASGOW,
SCOTLAND.

3500 GIBBONS, D.
COMPUTER METHODS IN ACTIVATION ANALYSIS,
ACTIVATION ANALYSIS, PRINCIPLES AND APPLICATIONS,
LENIHAN, J.M.A., THOMSON, S.J. (EDS.), NEW YORK,
ACADEMIC PRESS, 97-106, 1965, (ENGLISH), UNITED
KINGDOM ATOMIC ENERGY AUTHORITY, WANTAGE RESEARCH
LABORATORY.WANTAGE, BERKS., ENGLAND,

3501 BOWEN, H.J.M.
GEOCHEMICAL AND COSMOCHEMICAL APPLICATIONS,
ACTIVATION ANALYSIS, PRINCIPLES AND APPLICATIONS,
LENIHAN, J.M.A., THOMSON, S.J. (EDS.), NEW YORK,
ACADEMIC PRESS, 107-111, 1965, (ENGLISH), UNITED
KINGDOM ATOMIC ENERGY AUTHORITY, WANTAGE RESEARCH
LABORATORIES, WANTAGE, BERKS., ENGLAND.

3502 CRAWFORD, G.I.
OXYGEN IN METALS,
ACTIVATION ANALYSIS, PRINCIPLES AND APPLICATIONS,
LENIHAN, J.M.A., THOMSON, S.J. (EDS.), NEW YORK,
ACADEMIC PRESS, 113-118, 1965, (ENGLISH),
NATURAL PHILOSOPHY DEPARTMENT, THE UNIVERSITY,
GLASGOW, SCOTLAND,

3503 LENIHAN, J.M.A.
ACTIVATION ANALYSIS IN CLINICAL SCIENCE,
ACTIVATION ANALYSIS, PRINCIPLES AND APPLICATIONS,
LENIHAN, J.M.A., THOMSON, S.J. (EDS.), NEW YORK,
ACADEMIC PRESS, 119-124, 1965, (ENGLISH),
REGIONAL PHYSICS DEPARTMENT, GLASGOW, SCOTLAND.

3504 GUINN, V.P.
FORENSIC APPLICATIONS OF ACTIVATION ANALYSIS,
ACTIVATION ANALYSIS, PRINCIPLES AND APPLICATIONS,
LENIHAN, J.M.A., THOMSON, S.J. (EDS.), NEW YORK,
ACADEMIC PRESS, 125-127, 1965, (ENGLISH),
GENERAL ATOMIC DIVISION, GENERAL DYNAMIC CORP.,
SAN DIEGO, CALIFORNIA.

3505 GUINN, V.P.
ACTIVATION ANALYSIS IN THE PETROLEUM AND CHEMICAL
INDUSTRY,
ACTIVATION ANALYSIS, PRINCIPLES AND APPLICATIONS,
LENIHAN, J.M.A., THOMSON, S.J. (EDS.), NEW YORK,
ACADEMIC PRESS, 129-132, 1965, (ENGLISH),
GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORP.,
SAN DIEGO, CALIFORNIA.

3506 NIXON, G.S.
ACTIVATION ANALYSIS IN DENTAL MEDICINE,
ACTIVATION ANALYSIS, PRINCIPLES AND APPLICATIONS,
LENIHAN, J.M.A., THOMSON, S.J. (EDS,), NEW YORK,
ACADEMIC PRESS, 133-138, 1965, (ENGLISH),
UNIVERSITY OF GLASGOW DENTAL HOSPITAL AND SCHOOL,
GLASGOW, SCOTLAND,

3507 SMITH, H.
HANDLING OF BIOLOGICAL MATERIAL,
ACTIVATION ANALYSIS, PRINCIPLES AND APPLICATIONS,
LENIHAN, J.M.A., THOMSON, S,J, (EDS,), NEW YORK,
ACADEMIC PRESS, 139-142, 1965, (ENGLISH),
DEPARTMENT OF FORENSIC MEDICINE, THE UNIVERSITY,
GLASGOW, SCOTLAND.

3508 BOWEN, H.J.M.
TRACE ELEMENTS IN PLANT AND ANIMAL TISSUES.
ACTIVATION ANALYSIS, PRINCIPLES AND APPLICATIONS,
LENIHAN, J.M.A., THOMSON, S.J, (EDS,), NEW YORK,
ACADEMIC PRESS, 143-148, 1965, (ENGLISH), UNITED
KINGDOM ATOMIC ENERGY AUTHORITY, WANTAGE RESEARCH
LABORATORIES, WANTAGE, BERKS, ENGLAND,

3509 BOWEN, H.J.M. * CAWSE, P.A,
PRODUCTION OF A HOMOGENEOUS BIOLOGICAL MATERIAL
FOR INTERCOMPARISON OF ELEMENTARY ANALYSES BY
DIFFERENT LABORATORIES,
ACTIVATION ANALYSIS, PRINCIPLES AND APPLICATIONS,
LENIHAN, J.M.A., THOMSON, S.J, (EDS,), NEW YORK,
ACADEMIC PRESS, 149-151, 1965, (ENGLISH),
ISOTOPE RESEARCH DIVISION, WANTAGE RESEARCH
LABORATORY, (AERE), WANTAGE, BERKS,, ENGLAND,

3512 LENIHAN, J.M.A.
RADIOACTIVITY,
ACTIVATION ANALYSIS, PRINCIPLES AND APPLICATIONS,
LENIHAN, J.M.A., THOMSON, S.J, (EDS,), NEW YORK,
ACADEMIC PRESS, 3-7, 1965. (ENGLISH), REGIONAL
PHYSICS DEPARTMENT, GLASGOW, SCOTLAND,

3514 HEINEN, K,G, * LARRABEE, G,
ACTIVATION ANALYSIS OF SILICON BY CONVENTION
CARRIER SEPARATIONS AND BY COMPUTER REDUCTION OF
GAMMA SPECTRA,
ANAL. CHEM., 38, 1853-1857 (DECEMBWR 1966),
(ENGLISH), TEXAS INSTRUMENTS, INC., DALLAS,
TEXAS,

3521 PARKER, R.P.
AN IMPROVED ANTI-COINCIDENCE SHIELD FOR USE IN LOW BACKGROUND COUNTING,
NUCLEAR INSTRUMENTS AND METHODS, 8, 339-343 (1960). (ENGLISH). PHYSICS DEPARTMENT, INSTITUTE OF CANCER RESEARCH, ROYAL CANCER HOSPITAL, LONDON, ENGLAND.

3530 MORRIS, D.F.C. * SLATER, D.N. * KILLICK, R.A.
THE DETERMINATION OF TRACES OF IRIDIUM IN SAMPLES OF RHODIUM BY NEUTRON-ACTIVATION AND GAMMA-RAY SPECTROMETRY.
TALANTA, 8, 373-376 (1961). (ENGLISH) (GERMAN AND FRENCH SUMMARIES). BRUNEL COLLEGE OF TECHNOLOGY, LONDON, ENGLAND.

3548 QUITTNER, P.
ELECTRONIC INSTABILITIES AND THE CHI EXPON 2 TEST IN SPECTRUM DECOMPOSITION.
NUCLEAR INSTRUMENTS AND METHODS, 51, NO. 2, 273-276 (1967). (ENGLISH). CENTRAL RESEARCH INSTITUTE FOR PHYSICS, BUDAPEST, HUNGARY.

3550 QUITTNER, P.
USE OF THE MAXIMUM-LIKELIHOOD METHODS FOR THE EVALUATION OF MAXIMUM SENSITIVITY FOR ACTIVATION ANALYSIS IN THE PRESENCE OF INTERFERING ACTIVITIES.
ACTA CHIM. ACAD. SCI. HUNG., 54, NO. 2, 127-131 (1967). (ENGLISH). CENTRAL RESEARCH INSTITUTE FOR PHYSICS, BUDAPEST, HUNGARY.

3552 QUITTNER, P. * MONTVAI, A.
DETERMINATION OF OPTIMUM SCHEDULE AND SENSITIVITY FOR NON-DESTRUCTIVE ACTIVATION ANALYSIS.
ACTA CHIM. ACAD. SCI. HUNG., 51, NO. 4, 371-380 (1967). (ENGLISH). CENTRAL RESEARCH INSTITUTE FOR PHYSICS, BUDAPEST, HUNGARY.

3553 STEELE, E.L. * MEINKE, W.W.
DETERMINATION OF OXYGEN BY ACTIVATION ANALYSIS WITH FAST NEUTRONS USING A LOW-COST PORTABLE NEUTRON GENERATOR.
ANAL. CHEM., 34, NO. 2, 185-187 (FEBRUARY 1962). (ENGLISH). DEPARTMENT OF CHEMISTRY, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN.

3560 ATHAVALE, V.T. * DESAI, H.B. * GANGADHARAN, S. * PENDHARKAR, M.S. * DAS, M.S.
ACTIVATION ANALYSIS FOR TITANIUM AND NIOBIUM WITH FAST NEUTRONS.
ANALYST, 91, 638-646 (OCTOBER 1966). (ENGLISH).
ANALYTICAL DIVISION, ATOMIC ENERGY ESTABLISHMENT TROMBAY, BOMBAY, INDIA.

3661 ORDOGH, M. * CSAJKA, M.
NEUTRON ACTIVATION ANALYSIS OF IMPURITIES. COBALT AND NICKEL IN URANIUM COMPOUNDS OF NUCLEAR PURITY.
MIKROCHIM. ACTA, NO. 4-5, 606-611 (1966).
(GERMAN) (ENGLISH AND FRENCH SUMMARIES).
ZENTRALFORSCHUNGSINSTITUT FUR PHYSIK, BUDAPEST, HUNGARY.

3662 WAINERDI, R.E. * FITE, L.E.
AUTOMATED SYSTEMS FOR NUCLEAR ACTIVIATION ANALYSIS.
VIII INTERNATIONAL AUTOMATION AND INSTRUMENTATION EXHIBITION AND CONVENTION, MILANO, 19TH-25TH NOVEMBER 1964. TAMBURINI EDITORE, MILANO, 3-14, 1966. (ENGLISH) (FRENCH AND ITALIAN SUMMARIES).
ACTIVATION ANALYSIS RESEARCH LABORATORY, TEXAS A AND M UNIVERSITY, COLLEGE STATION, TEXAS.

3669 RAKOVIC, M. * PROCHAZKOVA, Z.
NEUTRON ACTIVATION ANALYSIS OF POTASSIUM IN BIOLOGIC MATERIAL WITH THE USE OF A NEW SEPARATION METHOD.
NUCLEAR MEDICINE, V, NO. 4, 436-440 (1966).
(ENGLISH) (FRENCH AND GERMAN SUMMARIES).
DEPARTMENT OF MEDICAL PHYSICS AND NUCLEAR MEDICINE, CHARLES UNIVERSITY, PRAGUE, CZECHOSLOVAKIA.

3708 RUTTINK, J.
THE APPLICATION OF ACTIVATION ANALYSIS IN BIOCHEMISTRY. QUALITATIVEANALYSIS OF HAIR SAMPLES WITH THE AID OF THE GAMMA SPECTRUM AFTER NEUTRON IRRADIATION IN THE NUCLEAR REACTOR.
ACTA PHYSIOL. PHARMACOL. NEERL., 11, 515-516 (1962). (ENGLISH). MOL, BELGIUM.

3709 MC CANDLESS, E.L.
DETERMINATION OF SULFUR IN POLYSACCHARIDES BY NEUTRON ACTIVATION ANALYSIS.
ANAL. BIOCHEM., 7, 357-365 (1964). (ENGLISH).
UNIVERSITY OF NEW YORK AT BUFFALO, PUBLIC HEALTH RESEARCH INSTITUTE FOR CHRONIC DISEASE, BUFFALO, N.Y.

3710 KANABROCKI, E.L. * CASE, L.F. * FIELDS, T. *
GRAHAM, L. * MILLER, E.B. * OESTER, Y.T. *
KAPLAN, E.
NONDIALYZABLE MANGANESE, COPPER AND GOLD LEVELS IN
SALIVA OF NORMAL ADULT SUBJECTS.
J. NUCL. MED., 6, 489-493 (JULY 1965). (ENGLISH).
HINES, ILLINOIS.

3711 AMIEL, S. * NIR, A.
QUANTITATIVE RADIOACTIVITY DETERMINATION OF O-18.
CANADIAN PATENT 723,756, DECEMBER 14, 1965.
(ENGLISH). REHOVOTH, ISRAEL.

3713 PIJCK, J. * CHUN, M.J. * PARK, J.H. * KIM, J.I.
THE DETEMINATION OF TRACE ELEMENTS IN KOREAN
SCHINSENG RADIX BY RADIOACTIVATION ANALYSIS.
PROC. JAPAN CONFERENCE RADIOISOTOPES, 5TH, NO. 3,
184-190 (1963). (ENGLISH). UNIVERSITY OF GHENT,
BELGIUM.

3714 SHIBUYA, M. * NAKAI, T.
STUDY ON THE NEUTRON ACTIVATION ANALYSIS OF
INORGANIC MINOR ELEMENTSIN PLANTS AND SOILS. I.
THE DETERMINATION OF INDIVIDUAL RARE EARTH ELEMENT
IN RICE PLANTS AND SOILS BY ACTIVATION ANALYSIS
AND FOCUSSING CHROMATOGRAPHY.
PROC. JAPAN CONFERENCE RADIOISOTOPES, 5TH, NO. 4,
228-230 (1963). (ENGLISH). NATIONAL INSTITUTE OF
AGRICULTRUAL SCIENCES, NISHIGAHARA, KITA-KU,
TOKYO, JAPAN.

3716 BENSON, A.A. * MILLER, W.W. * STEIM, J.M.
BIOCHEMICAL APPLICATIONS OF NEUTRON ACTIVATION
CHROMATOGRAPHIC ANALYSIS.
PROC. JAPAN CONFERENCE RADIOISOTOPES, 5TH, NO. 2,
119-126 (1963). ENGLISH). UNIVERSITY OF
CALIFORNIA, SAN DIEGO, CALIF.

3717 VERBINSKI, V.V.
APPARATUS FOR IDENTIFYING MATERIALS BY ACTIVATION
ANALYSIS.
U.S. PATENT 3,234,387, FEBRUARY 8, 1966.
(ENGLISH). OAK RIDGE, TENNESSEE.

3718 DIBBS, H.P.
THE DETERMINATION OF OXYGEN BY FAST NEUTRON
ACTIVATION ANALYSIS.
CONF-650203-12. NATIONAL AIME MEETING, CHICAGO,
27 P., FEBRUARY 14-18, 1965. (ENGLISH).
DEPARTMENT OF MINES AND TECHNICAL SURVEYS, OTTAWA,
CANADA.

3719 MUTO, H.
RADIATION FLUX MEASURING DEVICE,
JAPANESE PATENT 1964-18445, AUGUST 31, 1964,
(JAPANESE), JAPAN,

3720 SCHULZE, W.
DETERMINATION OF DETECTION LIMITS IN ACTIVATION
ANALYSIS WITH GAMMA SPECTROMETRY,
Z. ANAL. CHEM., 221, 85-100 (1966), (GERMAN)
(ENGLISH SUMMARY), INSTITUT FUR ANORGANISCHE
CHEMIE, FREIE UNIVERSITAT BERLIN, GERMANY,

3721 ALBERT, P. * DEYRIS, M. * REVEL, G.
DETERMINATION OF OXYGEN IN ALUMINUM AND ZIRCONIUM
BY IRRADIATION WITH HE-3 IONS,
COMPT. REND., SER. C, 262, 1774-1777 (JUNE 20,
1966), (FRENCH), CENTRE D ETUDES DE CHIMIE
METALLURGIQUE DU C.N.R.S., VITRY-SUR-SEINE,
VAL-DE-MARNE, FRANCE,

3722 DEYRIS, M. * ALBERT, P.
POSSIBILITIES FOR DETERMINATION OF OXYGEN IN
ALUMINUM BY IRRADIATIONWITH ALPHA PARTICLES,
COMPT. REND., SER. C, 262, 1675-1678 (JUNE 13,
1966), (FRENCH), CENTRE D ETUDES DE CHIMIE
METALLURGIQUE DU C.N.R.S., VITRY-SUR-SEINE,
VAL-DE-MARNE, FRANCE,

3723 BLOURI, J. * CHAUDRON, T. * ALBERT, P.
DETERMINATION OF SULFUR AND SOME ELEMENTS IN
CARBAZOLES, PURIFIED INTHE MOLTEN STATE, BY
NEUTRON RADIOACTIVATION,
COMPT. REND., SER. C, 263, NO. 4, 290-292 (1966),
(FRENCH). C.N.R.S., CENTRE D ETUDEES DE CHIMIE
METALLURGIQUE, VITRY-SUR-SEINE, VAL-DE-MARNE,
FRANCE.

3724 SABBIONI, E. * PAULY, J. * GIRARDI, F.
DETERMINATION OF MAGNESIUM IN ALUMINUM BY NEUTRON
ACTIVATION ANALYSIS, APPLICATION OF A CHEMICAL
TREATMENT BEFORE THE IRRADIATION, STUDIED BY USING
MAGNESIUM-27 AND ALUMINUM-28 AS TRACERS,
BULL. SOC. CHIM. FRANCE, NO. 6, 1924-1926 (1966),
(FRENCH). CENTRECOMMUN DE RECHERCHE, EURATOM,
ISPRA, VARESE, ITALY,

3725 MICHON, R.
DETERMINATION OF ARSENIC BY RADIOACTIVATION IN A
SAMPLE OF BONE.
ANN. FALS. ET FRAUDES, 49, 284-288 (1956),
(FRENCH). FRANCE.

3726 KOHN-ABREST, M.E.
METHOD FOR DETERMINATION OF ARSENIC IN BONE BY
RADIOACTIVATION,
ANN, FALS, ET FRAUDES, 49, 407-408 (1956),
(FRENCH), FRANCE,

3727 PETIT, J. * SCHAUB, B, * ENGELMANN, C,
ZONE FUSION AND ACTIVATION ANALYSIS,
BULL, INFORM, SCI, TECH, (PARIS), NO, 62, 39-42
(JUNE 1962), (FRENCH), SERVICE DE RECHERCHES DE
METALLURGIE PHYSIQUE ET CHIMIQUE, FRANCE,

3728 COMAR, D,
RADIOACTIVATION ANALYSIS, NEW TECHNIQUE AT THE
SERVICE OF BIOLOGY,
BULL, INFORM, SCI, TECH, (PARIS), 86, 3-10,
(SEPTEMBER 1964), (FRENCH), SERVICE HSOPITALIER
FREDERIC-JOLIOT, ORSAY, FRANCE,

3729 CHEPEL, L,V, * CHAPYHINKOV, B,A, * MIKHAILOVA, G,N,
* ZHURAVSKAYA, E,V, * KUZ/MINSKII, A,S,
RADIOACTIVATION METHOD FOR THE DETERMINATION OF
OXYGEN IN ELASTOMERSDURING THEIR PROCESSING AND
AGING,
KAUCHUK I REZINA, 25, NO, 3, 49-53 (1966),
(RUSSIAN), RUSSIA,

3730 PRONIN, V,A, * GILBERT, E,N, * ARTYUKHIN, P,I,
NEUTRON ACTIVATION METHOD FOR DETERMINATION OF
IMPURITIES IN THALIUM,
IZV, SIBIRSK, OTD, AKAD, NAUK SSSR, SER, KHIM,
NAUK, NO, 1, 88-90 (1966), (RUSSIAN), RUSSIA,

3731 ARTYUKHIN, P,I, * GILBERT, E,N, * PRONIN, V,A,
ACTIVATIONAL DETERMINATION OF IMPURITIES IN
GALLIUM,
IZV, SIBIRSK, OTD, AKAD, NAUK SSSR, SER, KHIM,
NAUK, NO, 1, 138-139 (1966), (RUSSIAN), RUSSIA,

3732 ALIMARIN, I,P, * JAKOVLEV, T,U,V, * ZHABIN, A,I,
DETERMINATION OF ADMIXTURES IN GERMANIUM BY
RADIOACTIVATION ANALYSIS,
PRIMENEENIE MECHENYKH ATOMOV V ANAL, KHIM, AKAD,
NAUK SSSR, INST, GEOKHIM, I ANAL, KHIM,, 58-69
(1955), (RUSSIAN), RUSSIA,

3733 ERWALL, L.G.
INACTIVE TRACER METHODS AND THEIR ACTIVATION ASPECTS.
SVESNK KEMISK TIDSKRIFT, 70, 235-239 (1958), (SWEDISH). INSTITUTIONEN FOR FYSIKALISK KEMI, KTH, STOCKHOLM, SWEDEN.

3734 WESTERMARK, T.
THEORY AND GENERAL PRINCIPLES OF ACTIVATION ANALYSIS.
SVENSK KEMISK TIDSKRIFT, 70, 211-218 (1958), (SWEDISH). INSTITUTIONEN FOR FYSIKALISK KEMI, KTH, STOCKHOLM, SWEDEN.

3735 MIETTINEN, J.K.
ACTIVATION ANALYSIS.
ERIPAINOS SUOMEN KEMISTILEHDESTA, A33, 1-12 (1960), (FINNISH), FINLAND.

3736 ZVYAGINA, L.S. * KIST, A.A. * LOBANOV, E.M. * NIKOLAEV, A.I. * ZVYAGIN, V.I.
ACTIVATION ANALYSIS OF THE BIOLOGICAL OBJECTS.
IZV. AKAD. NAUK UZ. SSR, SER. FIZ. MAT. NAUK, 8, 49-55 (1964), (RUSSIAN), RUSSIA.

3737 ALIMARIN, I.P.
APPLICATION OF RADIOCHEMICAL METHODS IN ANALYTICAL CHEMISTRY.
CHEM. ANAL. (WARSAW), 2, 209-221 (1957), (POLISH), INSTUTUT GEOCHEMII I CHEMII ANALITYCZNEJ IM. W.I. WERNADSKIEGO A.N. ZSRR, MOSKWA.

3738 DAS, H.A. * ZONDERHUIS, J.
NON-DESTRUCTIVE ACTIVATION ANALYSIS OF ANTIQUE GOLD COINS.
CHEM. WEEKBLAD, 61, NO. 18, 215-218 (1965), (DUTCH), REACTOR CENTRUM NEDERLAND, PETTEN, NETHERLANDS.

3739 TOMOV, T. * POPOV, C. * STEFANOV, G. * TOLGYESSY, J.
DETERMINATION OF INDIUM IN SPHALERITE AND PB-ZN ORES BY NEUTRON ACTIVATION ANALYSIS.
CHEM. ZVESTI, 18, 705-711 (1964), (CZECH), LABORATORJA AKTIVACIONEN ANALIZ, SOFIJA, BULGARIA AND KATEDRA RADIOCHEMIE A RADIACNEJ CHEMIE SLOVENSKEJ VYSOKEJ SKOLY TECHNICKEJ, BRATISLAVA, CZECHOSLOVAKIA.

3740 BRECCIA, A. * MARCHETTI, F. * NUCIFORA, G.
NEUTRON ACTIVATION ANALYSIS OF BORNITE AND CHALCOPYRITE.
RIC. SCI., 36, NO. 6, 472-476 (1966). (ITALIAN).
INSTITUTO CHIMICOG. CIAMICIAN, UNIVERSITA DI BOLOGNA, CENTRO NAZIONALE DI CHIMICA DELLE RADIAZIONI E DEI RADIOELEMENTI (CNRO, BOLOGNA, ITALY.)

3741 ISENHOUR, T.L.
INSTRUMENTAL ACTIVATION ANALYSIS USING NEUTRON CAPTURE AND DELAYED GAMMA-RAY SPECTROMETRY. (THESIS).
CORNELL UNIVERSITY, 100P., 1965. (ENGLISH).
CORNELL UNIVERSITY, ITHACA, N.Y.

3745 LENIHAN, J.M.A. * COMAR, D. * RIVIERE, R. * KELLERSHOHN, C.
ESTIMATION OF THYROID IODINE IN VIVO BY ACTIVATION ANALYSIS.
NATURE, 214, 1221-1223 (JUNE 17, 1967).
(ENGLISH). REGIONAL PHYSICS DEPARTMENT, WESTERN REGIONAL BOARD, GLASGOW, SCOTLAND.

3746 SCHRAMEL, P. * MUNZER, H.
DETECTION OF OXYGEN IN METALS, PARTICULARLY IN STEEL, BY ACTIVATION ANALYSIS WITH 14.4-MEV NEUTRONS.
ACTA PHYS. AUSTR., 23, 266-271 (1966). (GERMAN).
INSTITUT FUR RADIUMFORSCHUNG UND KERNPHYSIK, WIEN, AUSTRIA.

3747 SPIKES, J.D.
RADIATION EFFECTS AND PEACEFUL USES OF ATOMIC ENERGY IN THE PLANT ANND SOIL SCIENCES.
RADIOECOLOGY. NEW YORK, REINHOLD PUBLISHING CORP., 5-11, 1963. (ENGLISH). DEPARTMENT OF EXPERIMENTAL BIOLOGY, UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH.

3748 JUNKINS, R.L.
ARSENIC AND ITS RADIOISOTOPES IN THE ENVIRONS.
RADIOECOLOGY. NEW YORK, REINHOLD PUBLISHING CORP., 615-618, 1963. (ENGLISH). HANFORD LABORATORIES, HANFORD ATOMIC PRODUCTS OPERATION, GENERAL ELECTRIC COMPANY, RICHLAND, WASHINGTON.

3750 CRAWFORD, G.I. * GRAY, A.L. * SMITH, G.D.
ACTIVATION ANALYSIS APPLIED TO STEEL PRODUCTION.
PREPRINT BRITISH IRE CONVENTION ON ELECTRONICS AND
PRODUCTIVITY, SOUTHAMPTON, ENGLAND (CONF-5-2),
14P., APRIL 1963. (ENGLISH). PLESSEY NUCLEONICS
LTD., ENGLAND.

3751 EGIAZAROV, B.G. * KARPUKHIN, O.A. * METVEEV, V.V.
AN APPARATUS FOR NEUTRON ACTIVATION ANALYSIS.
SOVIET ATOMIC ENERGY, 20, NO. 3, 252-256 (MARCH
1966). (ENGLISH TRANSLATION). RUSSIA.

3752 BRAIER, H.A. * MOTT, W.E.
ACTIVATION ANALYSIS FOR CHLORINE IN PETROLEUM
PRODUCTS AND RELATED MATERIALS.
NUCL. APPL., 2, 44-47 (FEBRUARY 1966). (ENGLISH).
GULF RESEARCH AND DEVELOPMENT CO., PITTSBURGH,
PA.

3753 MARTIN, T.C. * PRUD HOMME, J.T. * MORGAN, I.L.
ACTIVATION ANALYSIS IN PROCESS CONTROL
APPLICATIONS.
DEVELOPMENTS IN APPLIED SPECTROSCOPY, PLENUM
PRESS, NEW YORK, VOL. 5, 485-494, 1966.
(ENGLISH). TEXAS NUCLEAR CORPORATION, AUSTIN,
TEXAS.

3754 LAVRUKHINA, A.K.
USE OF RADIOISOTOPES IN QUANTITATIVE ANALYSIS.
JADERNA ENERGIE, 3, 272-278 (1957). (POLISH).
USTAV GEOCHEMIE A ANALYTICKE CHEMIE V.I.
VERNADSKEHO AKADEMIE VED SSSR.

3755 HAMAGUCHI, H.
RADIOACTIVATION ANALYSIS OF MICRO QUANTITIES OF
URANIUM.
BUNSEKI KAGAKU, 6, 256-260 (1957). (JAPANESE).
JAPAN.

3756 FINEMAN, I.
APPLICATIONS OF ACTIVATION ANALYSIS.
SVESNK KEMISK TIDSKRIF, 70, 226-234 (1958).
(SWEDISH). INSTITUTIONEN FOR FYSIKALISK KEMI,
KTH, STOCKHOLM, SWEDEN.

3757 BAGDAVADZE, N,V, * BARBAKADZE, L,V, * GINTURI, E,N, * KUCHAVA, N,E, * MOSULISHVILI, L,M, * KHARABADZE, N,E,
RADIOACTIVATION METHOD FOR DETERMINATION OF GOLD IN BLOOD,
SOOBSHCH, AKAD, NAUK GRUZ, SSR, 39, NO, 2, 287-294 (1965), (RUSSIAN), RUSSIA,

3758 AOKI, F, * OKADA, M,
BEST CONDITIONS FOR USE OF THE PARAFFIN MODERATOR TO THE RADIUM-BERYLLIUM NEUTRON SOURCE, I, POSITION AND DIRECTION OF THE SAMPLE,
DIA-II-KAI GENSHIRYOKU SYMPOSIUM HOBUNSHU, 3, 32-35 (1958), (JAPANESE), JAPAN,

3759 CHIOTAN, C, * ZAMFIR, I, * CURCANEANU, D,
RADIOACTIVATION DETERMINATION OF IMPURITIES IN PURE SILICON DIOXIDE PREPARED AT THE BORZESTI CHEMICAL COMBINE,
STUDII CERCETARI CHIM,, 14, NO, 7, 745-746 (1965), (RUMANIAN), INSTITUTL DE FIZICA ATOMICA, BUCURESTI SI COMBINATUL CHIMIE BORZESTI, RUMANIA,

3760 LOBANOV, E,M, * AKBAROV, U, * KHUDAIBERGENOV, A,
RADIOACTIVATION METHOD FOR DETERMINATION OF COPPER IN ORES, USING MAGNETIC B-SEPARATOR,
IZV, AKAD, NAUK UZ, SSR, SER, FIZ,-MAT, NAUK, 9, NO, 6, 68-71(1965), (RUSSIAN), RUSSIA,

3764 KUSAKA, Y,
RADIOACTIVATION ANALYSIS WITH THERMAL NEUTRONS,
RADIOISOTOPES (TOKYO), 6, 73-84 (1957), (JAPANESE), JAPAN,

3765 RAKOVIC, M,
ACTIVATION ANALYSIS,
CHEM, LISTY, 55, 893-907 (1961), (CZECH), KATEDRA LEKARSKE FYSIKY A NUKLEARNI MEDICINY, FAKULTA VSEOBECNEHO LEKARSTVI, KARLOVA UNIVERSITA, PRAHA, CZECHOSLOVAKIA,

3766 BABAEV, O, * LOBANOV, E,M,
DETERMINATION OF LANTHANUM AND CERIUM IN MINERALS WITH THE AID OF ACTIVATION ANALYSIS,
DOKL, AKAD, NAUK UZ SSR, NO, 4, 22-25 (1964), (RUSSIAN), RUSSIA,

3767 PLAKSIN, I,N, * SMIRNOV, V,N, * STARCHIK, M,P,
THE USE OF PO-210 ALPHA RADIATION FOR THE
QUANTITATIVE CONTROL OF CONCENTRATION PRODUCTS
CONTAINING BERYLLIUM, BORON, FLUORINE AND
ALUMINUM,
TR, TASHKENTSK, KONF, PO MIRNOMU ISPOLZ, AT,
ENERGY, AKAD, NAUK UZ, SSR, 2, 193-299 (1960),
(RUSSIAN), RUSSIA,

3768 FUJII, I, * MUTO, H,
14 MEV NEUTRON ACTIVATION ANALYSIS USING A NEW
ANALYTICAL INSTRUMENTT,
PROC, JAPAN CONFERENCE RADIOISOTOPES, 5TH, NO, 3,
170-172 (1963), (JAPANESE), TOKYO SHIBAURA
ELECTRIC CO, LTD,, JAPAN,

3769 HORI, R,
ACTIVATION ANALYSIS OF SODIUM AND POTASSIUM IN
BIOLOGICAL MATERIAL,
PROC, JAPAN CONFERENCE RADIOISOTOPES, 5TH, NO, 3,
173-175 (1963), (JAPANESE), TOYAMA UNIVERSITY,
JAPAN,

3770 KAWASHIMA, T,
DETERMINATION OF IMPURITES IN THE PURE RARE EARTHS
BY RADIOACTIVATION ANALYSIS,
PROC, JAPAN CONFERENCE RADIOISOTOPES, 5TH, NO, 3,
176-178 (1963), (JAPANESE), ELECTRICAL
COMMUNICATION LABORATORY, TOKYO, JAPAN,

3771 KOBAYASHI, M, * SAWAI, T, * NAGATSUKA, S, *
MAEDA, S,
ACTIVATION ANALYSIS OF OXYGEN BY MEANS OF (GAMMA,
NEUTRON) NUCLEAR REACTION,
PROC, JAPAN CONFERENCE RADIOISOTOPES, 5TH, NO, 3,
179-181 (1963), (JAPANESE), TOKYO METROPOLITAN
ISOTOPE CENTER, JAPAN,

3772 OKADA, M,
RADIOACTIVATION OF ELEMENTS BY USE OF PILE
NEUTRONS, THE EXTENT OF THE FORMATION OF
SHORT-LIVED GAMMA ACTIVE NUCLIDES,
PROC, JAPAN CONFERENCE RADIOISOTOPES, 5TH, NO, 3,
182-183 (1963), (JAPANESE), GOVERNMENT CHEMICAL
INDUSTRIAL RESEARCH INSTITUTE, JAPAN,

3773 KOBAYASHI, M, * NAGATSUKA, S, * MAEDA, S, * HORIGUCHI, Y, * HIGASHI, K,
ACTIVATION METHOD APPLIED TO DILUTION MEASUREMENT IN THE RIVER,
PROC. JAPAN CONFERENCE RADIOISOTOPES, 5TH, NO; 4, 79-81 (1963), (JAPANESE), TOKYO METROPOLITAN ISOTOPE CENTER, JAPAN,

3774 EHMANN, W,D, * LOVERING, J,F,
THE ABUNDANCE OF MERCURY IN METEORITES AND ROCKS BY NEUTRON ACTIVATION ANALYSIS,
GEOCHIM, COSMOCHIM, ACTA, 31, 357-376 (1967), (ENGLISH), DEPARTMENT OF GEOPHYSICS, AUSTRALIAN NATIONAL UNIVERSITY, CANBERRA, AUSTRALIA,

3775 WECHTER, M,A, * VOIGT, A,F,
DETERMINATION OF POTASSIUM, RUBIDIUM, AND BARIUM, IN THEIR TUNGSTEN BRONZES BY NEUTRON AND HIGH ENERGY PHOTON ACTIVATION,
ANAL. CHEM., 38, 1681-1683 (NOV, 1966), (ENGLISH). INSTITUTE FOR ATOMIC RESEARCH AND DEPARTMENT OF CHEMISTRY, IOWA STATE UNIVERSITY, AMES, IOWA,

3776 KERRIGAN, F,J,
NEUTRON ACTIVATION ANALYSIS, SIMPLEX METHOD OF LINEAR PROGRAMMING,
ANAL. CHEM., 38, 1677-1680 (NOV, 1966), (ENGLISH), SPECIAL LABORATORY OF NUCLEAR MEDICINE AND BIOLOGY, VETERANS ADMINISTRATION HOSPITAL, OMAHA, NEBRASKA,

3777 EUROPEAN ATOMIC ENERGY COMMUNITY
PRACTICAL ASPECTS OF ACTIVATION ANALYSES WITH CHARGED PARTICLES,
EUR 2957.E, 160P, 1966, (ENGLISH), EUROPEAN ATOMIC ENERGY COMMUNITY, BRUSSELS, BELGIUM,

3778 BRAMLITT, E,T,
GAMMA-GAMMA COINCIDENCE COUNTING APPLIED TO CHLORINE ANALYSIS BY NEUTRON ACTIVATION,
ANAL, CHEM., 38, 1669-1674 (NOV, 1966), (ENGLISH), ATOMICS INTERNATIONAL, A DIVISION OF NORTH AMERICAN AVIATION, INC., CANOGA PARK, CALIF,

3780 COBB, J,C,
DETERMINATION OF LANTHANIDE DISTRIBUTION IN ROCKS BY NEUTRON ACTIVATION AND DIRECT GAMMA COUNTING,
ANAL, CHEM., 39, 127-131 (JANUARY 1967), (ENGLISH), DEPARTMENT OF CHEMISTRY, BROOKHAVEN NATIONAL LABORATORY, UPTON, N,Y,

3781 PRIEST, G.L. * BURNS, F.C. * PRIEST, H.F.
UNIFORM NEUTRON IRRADIATION OF INHOMOGENOUS
SAMPLES.
ANAL. CHEM., 39, 110-113 (JAN, 1967), (ENGLISH),
U.S. ARMY MATERIALS RESEARCH AGENCY, WATERTOWN,
MASS.

3783 MAK, B.K. * BIRD, J.R. * SABINE, T.M.
PROTON MICROANALYSIS.
NATURE, 211, 738-739 (AUGUST 13, 1966),
(ENGLISH). UNIVERSITY OF NEW SOUTH WALES,
KENSINGTON, NEW SOUTH WALES.

3785 DIBBS, H.P. * MC MASTER, C.H.
THE DETERMINATION OF ANTIMONY IN HIGH-PURITY IRON
BY NEUTRON ACTIVATION ANALYSIS.
CHEM. IND. (LONDON), NO. 5, 217-219 (1965),
(ENGLISH), MINERAL SCIENCES DIVISION, MINES
BRANCH, DEPARTMENT OF MINES AND TECHNICAL
SURVEYS,OTTAWA, CANADA.

3788 ANDREWS, A.E. * HASSELTINE, E.H. * OLSON, N.T. *
SMITH, H.P., JR.
CESIUM ION SPUTTERING OF ALUMINUM.
J. APPL. PHYS., 37, 3344-3347 (AUGUST 1966),
(ENGLISH). UNIVERSITYOF CALIFORNIA, BERKELEY,
CALIFORNIA.

3789 BRUNE, D.
LOW TEMPERATURE IRRADIATION APPLIED TO NEUTRON
ACTIVATION ANALYSIS OF MERCURY IN HUMAN WHOLE
BLOOD.
ACTA CHEM. SCAND., 20, 1200-1202 (1966),
(ENGLISH). AB ATOMENERGI,STUDSVID, SWEDEN.

3790 HISLOP, J.S. * WAINERDI, R.E.
EXTRATERRESTRIAL NEUTRON ACTIVATION ANALYSIS.
ANAL. CHEM., 39, 28A-39A (FEBRUARY 1967),
(ENGLISH). ACTIVATION ANALYSIS RESEARCH
LABORATORY, TEXAS A AND M UNIVERSITY, COLLEGE
STATION, TEXAS.

3791 TEXAS A AND M
INVESTIGATIONS IN AUTOMATED ACTIVATION ANALYSIS.
TEES-2671-5, 157P., AUGUST 31, 1966, (ENGLISH),
ACTIVATION ANALYSIS RESEARCH LABORATORY, TEXAS A
AND M UNIVERSITY, COLLEGE STATION, TEXAS.

3792 BUJDOSO, E. * MISKEI, M. * ORMOS, G.
ACTIVATION ANALYSIS, BIBLIOGRAPHY III.
RENDELES SZAM, KFKI 2574, 148P., 1966,
(HUNGARIAN) (ENGLISH AND RUSSIAN SUMMARIES),
BUDAPEST, HUNGARY.

3793 GIRARDI, F. * GUZZI, G. * PAULY, J.
FIRST ADDENDUM TO THE DATA HANDBOOK FOR
SENSITIVITY CALCULATIONS IN NEUTRON ACTIVATION
ANALYSIS.
EUR 1898.E ADDENDUM I, 1966, (ENGLISH), JOINT
NUCLEAR RESEARCH CENTER, ISPRA ESTABLISHMENT,
ITALY.

3794 MARTIN, T.C. * BLAKE, K.R. * MORGAN, I.L. *
PARKER, C.V., JR. * SIEBERG, R.
AN ON-LINE NUCLEAR ANALYSIS FACILITY.
ORO-2980-12, 59P., JUNE 15, 1966. (ENGLISH),
TEXAS NUCLEAR CORPORATION, AUSTIN, TEXAS;

3796 WOOD, D.E.
ACTIVATION ANALYSIS IN THE METALS INDUSTRY
NUCLEAR NEWS, 9, NO. 9, 12-17 (SEPTEMBER 1966).
(ENGLISH). KAMAN NUCLEAR, COLORADO SPRINGS,
COLORADO.

3797 MENON, M.P. * RAINOSEK, A.P. * WAINERDI, R.E.
ACTIVATION ANALYSIS FOR NONDESTRUCTIVE
LOCALIZATION OF IMPURITIES IN FOILS.
NUCLEAR APPLICATIONS, 2, 535-540 (AUGUST 1966).
(ENGLISH). TEXAS A AND M UNIVERSITY, TEXAS.

3798 YULE, H.P.
DATA CONVOLUTION AND PEAK LOCATION, PEAK AREA, AND
PEAK ENERGY MEASUREMENTS IN SCINTILLATION
SPECTROMETRY.
ANAL. CHEM., 38, 103-105 (JANUARY 1966).
(ENGLISH). GENERAL ATOMIC DIVISION, GENERAL
DYNAMICS CORP., SAN DIEGO, CALIF.

3799 ABE, S.
APPLICATON OF PHOTACTIVATION TO THE DETERMINATION
OF GERMANIUM IN TITANIUM.
ANAL. CHEM., 38, 1622-1623 (OCT. 1966). (ENGLISH).
DEPARTMENT OF CHEMICAL ENGINEERING, YAMAGATA
UNIVERSITY, YONEZAWA-SHI, JAPAN.

3803 GERRARD, M.
GAMMA ACTIVATION ANALYSIS OF ROCKS AND ORES.
ISOTOPES AND RADIATION TECHNOLOGY, 3, NO. 4,
334-339 (SUMMER 1966). (ENGLISH). OAK RIDGE,
TENNESSEE.

3804 PEREZHOGIN, G.A.
NEUTRON ACTIVATION DETERMINATION OF TRACES OF
MANGANESE USING SUBSTOICHIOMETRIC SEPARATION.
J. ANAL. CHEM., USSR, 21, NO. 7, 787-788 (JULY
1966). (ENGLISH TRANSSLATION). V.I. VERNADSKII
INSTITUTE OF GEOCHEMISTRY AND ANALYTICAL
CHEMISTRY, ACADEMY OF SCIENCES OF THE USSR,
MOSCOW, RUSSIA.

3808 BRUNE, D. * LANDSTROM, O.
FREEZING TECHNIQUE IN NEUTRON ACTIVATION ANALYSIS
RADIOCHIM. ACTA, 5, 228-230 (JULY 1966). (ENGLISH)
(GERMAN AND FRENCH SUMMARIES). AB ATOMENERGI,
STUDSVIK, NYKOPING, SWEDEN.

3809 JOHNSON, R.A.
RESOLVING RADIONUCLIDE BINARY MIXTURES WITH A
LINEAR EQUATION INVOLVING DECAY MEASUREMENTS IN
TWO SPECTRAL CHANNELS.
RADIOCHIM. ACTA, 5, 231-233 (JULY 1966).
(ENGLISH) (GERMAN AND FRENCH SUMMARIES). SHELL
DEVELOPMENT COMPANY, EMERYVILLE, CALIF.

3810 AMES LABORATORY
ANNUAL SUMMARY RESEARCH REPORT IN CHEMISTRY.
IS-1500, SECTION C, 111P., UNDATED. (ENGLISH).
AMES LABORATORY, AMES, IOWA.

3811 GREENWOOD, R.C. * SPALEK, J.
EVALUATION OF THERMAL NEUTRON CAPTURE GAMMA RAY
TECHNIQUES FOR NONDESTRUCTIVE ANALYSIS OF REACTOR
BURNABLE POISONS.
IITRI-578P11-54, 48P, OCT. 27, 1965. (ENGLISH).
IIT RESEARCH INSTITUTE, CHICAGO, ILLINOIS.

3841 KEEPIN, G.R.
NONDESTRUCTIVE DETECTION, IDENTIFICATION, AND
ANALYSIS OF FISSIONABLE MATERIALS.
WASH-1076, 150-171, UNDATED. (ENGLISH). LOS
ALAMOS SCIENTIFIC LABORATORY, LOS ALAMOS, NEW
MEXICO.

3910 DE VOE, J.R.
RADIOCHEMICAL ANALYSIS, ACTIVATION ANALYSIS,
INSTRUMENTATION, RADIATION TECHNIQUES, AND
RADIOISOTOPE TECHNIQUES, JULY 1965-JUNE 1966.
NBS-TN-404, 238P., SEPT. 30, 1966. (ENGLISH).
NATIONAL BUREAU OF STANDARDS, WASHINGTON, D.C.

3934 KOHMAN, T.P.
NUCLEAR CHEMISTRY AND GEOCHEMISTRY RESEARCH,
NYO-844-67, 67P, JUNE 30, 1966, (ENGLISH),
CARNEGIE INSTITUTE OF TECHNOLOGY, PITTSBURGH,
PENNSYLVANIA.

3948 JEFFERY, P.G. * BAKES, J.M.
THE DETERMINATION OF FLUORINE IN FLUORITE ORES AND
CONCENTRATES BY ISOTOPE-SOURCE FAST-NEUTRON
ACTIVATION ANALYSIS,
ANALYST, 92, NO. 1092, 151-155 (MARCH 1967),
(ENGLISH). WARREN SPRING LABORATORY, MINISTRY OF
TECHNOLOGY, STEVENAGE, HERTS., ENGLAND.

3949 BOWEN, H.J.M.
THE DETERMINATION OF ANTIMONY, CADMIUM, CERIUM,
IRIDIUM AND SILVER IN BIOLOGICAL MATERIAL BY
RADIOACTIVATION,
ANALYST, 92, 118-123 (FEB. 1967), (ENGLISH),
CHEMISTRY DEPARTMENT, THE UNIVERSITY, READING,
BERKS., ENGLAND.

3954 MAXIA, V. * ROLLIER, M.A.
DETERMINATION OF SELENIUM IN AMINO ACIDS AT THE
0.1 PPM LEVEL BY PULSED-NEUTRON ACTIVATION.
NUCL. APPL., 3, 187-190 (MARCH 1967), (ENGLISH).
UNIVERSITY OF PAVIA, ITALY.

3955 MAXIA, V. * MELONI, S. * ROLLIER, M.A. *
VALENTINI, M.T.
DETERMINATION OF TRACE AMOUNTS OF COBALT IN HAEMIN
BY NEUTRON ACTIVATION ANALYSIS,
INTERN. J. APPL. RADIATION ISOTOPES, 18, NO. 4,
267-269 (1967), (ENGLISH), LABORATORIO DI
RADIOCHIMICA DELL ISTITUTO DI CHIMICA, GENERALE
DELL UNIVERSITA DI PAVIA, PAVIA, ITALY.

3956 DICKSON, R.C. * TOMLINSON, R.H.
INSTRUMENTAL RADIOACTIVATION ANALYSIS OF SELENIUM
IN BIOLOGICAL MATERIALS,
INTERN. J. APPL. RADIATION ISOTOPES, 18, NO. 3,
153-159 (1967), (ENGLISH) (FRENCH, RUSSIAN AND
GERMAN SUMMARIES), MCMASTER UNIVERSITY, HAMILTON,
ONTARIO, CANADA.

3957 MALVANO, R. * ROSA, U. * GROSSO, P.
DETERMINATION OF SOME TRACE ELEMENTS IN HUMAN
SERUM-ALBUMIN BY NEUTRON-ACTIVATION ANALYSIS.
INTERN. J. APPL. RADIATION ISOTOPES, 18, 121-125
(1967). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN
SUMMARIES). SORIN, CENTRO RICERCHE
NUCLEARI,SALUGGIA, ITALY.

3958 EDGINGTON, D.N.
THE ESTIMATION OF THORIUM AND URANIUM AT THE
SUBMICROGRAM LEVEL IN BONE BY NEUTRON ACTIVATION.
INTERN. J. APPLIED RADIATION ISOTOPES, 18, 11-18
(JAN. 1967), (ENGLISH) (FRENCH, RUSSIAN AND GERMAN
SUMMARIES). RADIOLOGICAL PHYSICS DIVISION, ARGONNE
NATIONAL LABORATORY, ARGONNE, ILLINOIS.

3959 OUELLETTE, R.P. * BALCIUS, J.F. * ZUPPINGER, K.
THE DETERMINATION OF IODINE-CONTAINING COMPOUNDS
BY NEUTRON ACTIVATION OF I-129.
INTERN. J. APPL. RADIATION ISOTOPES, 17, NO.
11-12, 649-655 (1966) (ENGLISH) (FRENCH, RUSSIAN
AND GERMAN SUMMARIES). PHYSICS RESEARCH
LABORATORY AND DEPARTMENT OF MEDICINE,
MASSACHUSETTS GENERAL HOSPITAL, BOSTON,
MASSACHUSETTS.

3960 TUREKIAN, K.K. * JOHNSON, D.G.
THE BARIUM DISTRIBUTION IN SEA WATER
GEOCHIM. COSMOCHIM. ACTA, 30, 1153-1174 (NOV.
1966). (ENGLISH). DEPARTMENT OF GEOLOGY, YALE
UNIVERSITY, NEW HAVEN, CONNECTICUT.

3961 BRUNFELT, A.O. * JOHANSEN, O. * STEINNES, E.
DETERMINATION OF COPPER, GALLIUM AND ZINC IN
STANDARD ROCKS BY NEUTRON ACTIVATION.
ANAL. CHIM. ACTA, 37, NO. 2, 172-178 (FEB. 1967).
(ENGLISH) (FRENCH AND GERMAN SUMMARIES).
MINERALOGICAL-GEOLOGICAL MUSEUM, UNIVERSITY OF
OSLO, OSLO, NORWAY AND INSTITUTT FOR ATOMENERGI,
KJELLER, NORWAY.

3962 CASSATT, W.A., JR. * ESTEY, H.P. * SLOTT, R.
THE DETERMINATION OF BORON IN DILUTE AQUEOUS
SOLUTIONS BY NEUTRON ACTIVATION ANALYSIS.
ANAL. CHIM. ACTA, 37, NO. 4, 545-548 (1967).
(ENGLISH). DEPARTMENT OF CHEMISTRY, WASHINGTON
STATE UNIVERSITY, PULLMAN, WASHINGTON.

3964 ORDOGH, M. * UPOR-JUVANCZ, V.
ANALYSIS OF CONTAMINANTS IN URANIUM COMPOUNDS BY
POST-IRRADIATION PAPER CHROMATOGRAPHY.
J. CHROMATOG., 25, 464-470 (DEC, 1966). (ENGLISH).
HUNGARIAN ACADEMY OF SCIENCES, CENTRAL RESEARCH
INSTITUTE FOR PHYSICS, BUDAPEST, HUNGARY.

3965 HAMMAR, L. * FORSEN, S.
FORMATION OF NITROGEN-13, FLUORINE-17 AND
FLUORINE-18 IN REACTOR-IRRADIATED H SUB 2 O AND D
SUB 2 O. APPLICATION TO ACTIVATION ANALYSIS AND
FAST NEUTRON FLUX MONITORING.
J. INORG. NUCL. CHEM., 28, 2111-2123 (1966).
(ENGLISH). AKTIEBOLAGET ATOMENERGI, STOCKHOLM,
SWEDEN.

3968 SMYTHE, L.E.
FORENSIC APPLICATIONS OF NEUTRON ACTIVATION
ANALYSIS.
ATOMIC ENERGY AUSTRALIA, 9, NO. 2, 2-6 (APRIL
1966). (ENGLISH). ANALYTICAL CHEMISTRY SECTION,
AUSTRALIAN ATOMIC ENERGY COMMISSION, AUSTRALIA.

3969 TUREKIAN, K.K.
TRACE ELEMENTS IN SEA WATER AND OTHER NATURAL
WATERS.
YALE-2912-12, 60P., AUGUST 31, 1966. (ENGLISH).
YALE UNIVERSITY, DEPARTMENT OF GEOLOGY.

3970 HOLM, D.M. * SANDERS, W.M.
INTERFERENCE REDUCTION AND SENSITIVITY IMPROVEMENT
IN ACTIVATION ANALYSIS.
LA-DC-7931, 10P., 1964. (ENGLISH). UNIVERSITY OF
CALIFORNIA, LOS ALAMOS SCIENTIFIC LABORATORY, LOS
ALAMOS, NEW MEXICO.

3973 COATES, A.D. * SWISHER, J.A.
APPLICATION OF FAST NEUTRON ACTIVATION ANALYSIS TO
POLYMER DOSIMETRY.
AD-635655, 18P, MARCH 1966. (ENGLISH). U.S. ARMY
MATERIAL COMMAND, BALLISTIC RESEARCH LABORATORY,
ABERDEEN PROVING GROUND, MARYLAND.

3975 SLUNECKO, J. * KUKULA, F. * SIMKOVA, M.
DETERMINATION OF TUNGSTEN IN IRON BY ACTIVATION
ANALYSIS.
UJV-1368, 16P., JUNE 1965. (RUSSIAN) (CZECH
SUMMARY). INFORMACNI STREDISKO USTAV JADERNEHO
VYZKUMU CSAV, REZ, PRAHA, CZECHOSLOVAKIA.

3976 BLAKE, K.R. * PARKER, C.V, * ENGLAND, L.D, * MORGAN, I.L.
ELEMENTAL TRACE ANLYSIS BY CHARGED PARTICLE AND NEUTRON ACTIVATION,
ORO-2980-14, 44P, JULY 1, 1966, (ENGLISH), TAXAS NUCLEAR CORPORATION, AUSTIN, TEXAS,

3977 HOLM, D.M, * BASMAJIAN, J.A. * SANDERS, W.M,
OBSERVATION OF THE MICROSCOPIC DISTRIBUTION OF OXYGEN AND CARBON IN METALS BY HE-3 ACTIVATION,
LA-3515, 16P., MAY 10, 1966, (ENGLISH), LOS ALAMOS SCIENTIFIC LABORATORY OF THE UNIVERSITY OF CALIFORNIA, LOS ALAMOS, NEW MEXICO,

3978 SCHULZE, W.
DETECTION LIMITS FOR COINCIDENCE METHODS IN ACTIVATION ANALYSIS,
Z. ANAL. CHEM., 223, 1-10 (1966), (GERMAN) (ENGLISH SUMMARY), INSTITUT FUR ANORGANISCHE CHEMIE, FREIE UNIVERSITAT BERLIN, GERMANY,

3979 PIERCE, T.B, * SMALES, A.A,
SOME RECENT HARWELL WORK ON ACTIVATION ANALYSIS,
Z. ANAL. CHEM., 221, 80-85 (1966), (ENGLISH) (GERMAN SUMMARY), ANALYTICAL CHEMISTRY BRANCH, A.E.R.E., HARWELL, ENGLAND,

3980 PERDIJON, J,
EXPERIMENTAL SENSITIVITIES IN NEUTRON ACTIVATION AND GAMMA SPECTROMETRY WITH A 150-KV ACCELERATOR,
ANAL. CHEM., 39, NO, 4, 448-456 (1967), (ENGLISH), SAMES, GRENOBLE, ISERE, FRANCE,

3981 TWITTY, B.L, * FRITZ, K.M,
INTERNAL STANDARD TECHNIQUES FOR DETERMINATION OF OXYGEN IN MAGNESIUM, STEEL, AND TITANIUM BY ACTIVATION ANALYSIS,
ANAL. CHEM., 39, NO, 4, 527-529 (1967), (ENGLISH), NATIONAL LEAD CO, OF OHIO, CINCINNATI, OHIO,

3982 LIVINGSTON, H.D, * SMITH, H,
ESTIMATION OF MOLYBDENUM IN BIOLOGICAL MATERIAL BY NEUTRON ACTIVATION ANALYSIS,
ANAL. CHEM., 39, NO, 4, 538-539 (APRIL 1967), (ENGLISH), DEPARTMENT OF FORENSIC MEDICINE, GLASGOW UNIVERSITY, GLASGOW, SCOTLAND,

3985 PAULY, J. * SABBIONI, E. * GIRARDI, F.
DETERMINATION OF MAGNESIUM BY ACTIVATION WITH
TRITONS PRODUCED IN ANUCLEAR REACTOR BY THE ACTION
OF NEUTRONS ON LITHIUM FLUORIDE.
COMPT. REND., SER. C, 263, NO. 15, 870-871 (1966).
(FRENCH). CENTRE COMMUN DE RECHERCHE, EURATOM,
ISPRA, VARESE, ITALY.

3986 AUMANN, D.C. * BORN, H.J. * HENKELMANN, R.
USE OF FAST REACTOR NEUTRONS FOR RAPID AND
NONDESTRUCTIVE TRACE ANALYSIS, EXPECIALLY OF
OXYGEN.
Z. ANAL. CHEM., 221, 101-108 (1966). (GERMAN)
(ENGLISH SUMMARY). INSTITUT FUR RADIOCHEMIE,
TECHNISCHE HOCHSCHULE MUNCHEN, GERMANY.

3987 TURKOWSKY, C. * STARK, H.
TRACE ANALYSIS OF URANIUM IN ROCKS WITH THE HELP
OF NEUTRON ACTIVATION.
Z. ANAL. CHEM., 221, 205 (1966). (GERMAN).
INSTITUT FUR RADIOCHEMIE DER TECHNISCHEN
HOCHSCHULE MUNCHEN, GARCHING, GERMANY.

3988 LUX, F. * BRAUNSTEIN, L.
ACTIVATION ANALYSIS INVESTIGATION OF PAINTINGS.
DETERMINATION OF TRACE CONTENTS OF WHITE LEAD OF
PAINTINGS OF THE ALTE PINAKOTEK AT MUNICH.
Z. ANAL. CHEM., 221, 235-254 (1966). (GERMAN)
(ENGLISH SUMMARY). INSTITUT FUR RADIOCHEMIE DER
TECHNISCHEN HOCHSCHULE MUNCHEN, GERMANY.

3989 MONNIER, D. * LOEPFE, E.
ACTIVATION OF SHORT LIVED ISOTOPES. RAPID
SEPARATION BY EXCHANGE ON MERCURY.
ANAL. CHIM. ACTA, 37, NO. 3, 339-349 (1967).
(FRENCH) (ENGLISH AND GERMAN SUMMARIES).
LABORATOIRES DE CHIMIE MINERALE ET ANALYTIQUE,
UNIVERSITE DE GENEVE, GENEVA, SWITZERLAND.

3990 DOGE, H.G.
USE OF ION EXCHANGE CHROMATOGRAPHY IN ACTIVATION
ANALYSIS FOR SODIUM AND POTASSIUM IN MOLYBDENUM
AND TUNGSTEN.
ANAL. CHIM. ACTA, 38, NO. 1-2, 207-211 (1967).
(GERMAN) (ENGLISH SUMMARY). INSTITUT FUR
METALLPHYSIK UND REINSTMETALLE DER DEUTSCHEN
AKADEMIE DER WISSENSCHAFTEN ZU BERLIN, DRESDEN,
GERMANY.

3991 FOURCY, A. * DOGNIN, J. * FAURE, J. * NEUBURGER, M.
RADIOACTIVATION ANALYSIS FOR COPPER DETERMINATION IN VINE GROWING AND IN VINE PRODUCTS.
INTERN. J. APPL. RADIATION ISOTOPES, 17, NO. 11-12, 629-636 (1966). (FRENCH) (ENGLISH, RUSSIAN AND GERMAN SUMMARIES). LABORATOIRE DE BIOLOGIE VEGETALE DU CENTRE D ETUDES NUCLEAIRES DE GRENOBLE, FRANCE.

3992 WILKNISS, P.E. * BORN, H.J.
ACTIVATION ANALYSIS OF OXYGEN AT THE SURFACE OF SOLIDS.
INTERN. J. APPL. RADIATION ISOTOPES, 18, 57-64 (JANUARY 1967). (GERMAN) (ENGLISH, FRENCH AND RUSSIAN SUMMARIES). INSTITUT FUR RADIOCHEMIE DER TECHNISCHEN HOCHSCHULE MUNCHEN, GERMANY.

3993 DE NEVE, R. * DE SOETE, D. * HOSTE, J.
SECOND-ORDER INTERFERENCE IN THE NEUTRON ACTIVATION ANALYSIS OF ARSENIC IN A GERMANIUM MATRIX.
ANAL. CHIM. ACTA, 36, 508-514 (DECEMBER 1966). (ENGLISH) (FRENCH AND GERMAN SUMMARIES). INSTITUTE FOR NUCLEAR SCIENCE, GHENT UNIVERSITY, GHENT, BELGIUM.

3994 TOMURA, K. * HIGUCHI, H.
THE DETERMINATION OF COPPER IN ZINC MATERIALS BY NEUTRON ACTIVATION ANALYSIS USING THE CU-65(N, GAMMA) CU-66 REACTION.
ANAL. CHIM. ACTA, 37, 33-41 (JANUARY 1967). (ENGLISH) (FRENCH AND GERMAN SUMMARIES). THE INSTITUTE FOR ATOMIC ENERGY, RIKKYO (ST. PAULS) UNIVERSITY, SAJIMA, YOKOSUKA, JAPAN.

3995 NOZAKI, T. * OKUO, T. * AKUTSU, H. * FURUKAWA, M.
THE RADIOACTIVATION ANALYSIS OF SEMICONDUCTOR GRAPHITE FOR NITROGEN BY THE N-14(P,ALPHA)C-11 REACTION.
BULL. CHEM. SOC. JAPAN, 39, 2685-2689 (DECEMBER 1966). (ENGLISH). INSTITUTE OF PHYSICAL AND CHEMICAL RESEARCH, YAMATO-MACHI, SAITAMA, JAPAN.

3996 HAERDI, W. * BALSENC, L. * MONNIER, D.
ACTIVATION ANALYSIS OF SHORT-LIVED ISOTOPES. STUDY OF THE NONDESTRUCTIVE DETERMINATION OF HAFNIUM (HF-179M, T EQUALS 19S) AND ITS APPLICATIONS.
CHIMIA, 20, 429-430 (DECEMBER 1966), (FRENCH) (ENGLISH SUMMARY). LABORATOIRES DE CHIMIE ANALYTIQUE ET DE CHIMIE MINERALE DE L UNIVERSITE DE GENEVE, SWITZERLAND.

3997 MONNIER, D. * DANIEL, R. * HAERDI, W.
ACTIVATION ANALYSIS OF SHORT-LIVED ISOTOPES. REACTIONS PRODUCED BY FAST NEUTRONS FROM REACTOR AGN-201-P.
CHIMIA, 20, 428-429 (DECEMBER 1966), (FRENCH) (ENGLISH SUMMARY). LABORATORIES DE CHIMIE ANALYTIQUE ET DE CHIMIE MINERALE DE L UNIVERSITE DE GENEVE, SWITZERLAND.

3998 WYTTENBACH, A.
THE NONDESTRUCTIVE ACTIVATION ANALYSIS DETERMINATION OF THE CHIEF CONSTITUENTS OF LARGER SAMPLE PIECES (EXAMPLES USED - COINS).
HELV. CHIM. ACTA, 49, 2555-2563 (1966), (GERMAN). EIDGENOSSISCHES INSTITUT FUR REAKTORFORSCHUNG, WURENLINGEN, GERMANY.

4000 MOLLER, E. * STARFELT, N.
MICROANALYSIS OF FLUORINE CONTAMINATION AND ITS DEPTH DISTRIBUTION IN ZIRCALOY BY THE USE OF A CHARGED PARTICLE NUCLEAR REACTION.
AE-237, 16P., JULY 1966, (ENGLISH), AKTIEBOLAGET ATOMENERGI, STOCKHOLM, SWEDEN.

4001 POTTIER, R. * BERGER, R.
ANALYSIS OF RADIONUCLIDE MIXTURES BY ALPHA - GAMMA AND BETA - GAMMA COINCIDENCES USING A SIMPLE DEVICE.
CEA-R-3033, 44P., JUNE 1966, (FRENCH) (ENGLISH SUMMARY). COMMISSARIAT A L ENERGIE ATOMIQUE, CENTRE D ETUDES NUCLEAIRES DE FONTENAY AUX ROSES, FRANCE.

4002 SOREMARK, R.
USE OF SHORT-LIVED NUCLIDES IN MEDICAL RESEARCH.
ADVANCES BIOL. MED. PHYS., 10, 91-148 (1965), (ENGLISH). HARVARD SCHOOL OF DENTAL MEDICINE, BOSTON, MASSACHUSETTS.

4004 SAMSAHL, K.
NEUTRON-ACTIVATION ANALYSIS OF BIOLOGICAL MATERIAL WITH HIGH RADIATION LEVELS.
AE-247, 15P, SEPT, 1966, (ENGLISH), AKTIEBOLAGET ATOMENERGI, STOCKHOLM, SWEDEN,

4005 PARKER, C.V., JR, * MARTIN, T.C. * MORGAN, I.L.
SEPARATION OF ISOTOPIC INTERFERENCES UTILIZING GE(LI) GAMMA RAY DETECTORS,
ORO-2980-13, 4P, JULY 5, 1966, (ENGLISH); TEXAS NUCLEAR CORPORATION, TEXAS.

4006 ROSSOUW, S.F.
NUCLEAR TECHNIQUES IN FORENSIC SCIENCE, AN ANNOTATED BIBLIOGRAPHY.
PEL-116, 28P., JUNE 1966, (ENGLISH), ATOMIC ENERGY BOARD, PELINDABA, SOUTH AFRICA,

4153 SZABO, E. * RAUSCH, H,
ACTIVATION ANALYSIS OF TRACE CONTAMINANTS IN GALLIUM ARSENIDE SEMICONDUCTOR MATERIALS,
ACTA CHIM. ACAD. SCI. HUNG., 54, NO. 3-4, 231-240 (1967). (ENGLISH), CENTRAL RESEARCH INSTITUTE FOR PHYSICS, AND RESEARCH INSTITUTE FOR TELECOMMUNICATION, BUDAPEST, HUNGARY,

4189 ABE, S.
ACTIVATION ANALYSIS OF TITANIUM IN IRON BY PHOTONUCLEAR REACTIONS.
NIPPON KAGAKU ZASSHI, 87, 710-714 (JULY 1966), (JAPANESE) (ENGLISH SUMMARY), DEPARTMENT OF CHEMICAL ENGINEERING, YAMAGATA UNIVERSITY, MOTONAKABAKURO-CHO, YONEZAWA-SHI, JAPAN,

4190 KERTESZ, L. * CSAJKA, M,
DETERMINATION OF EXTRATHYROIDAL IODINE BY NEUTRON-ACTIVATION ANALYSIS,
ACTA BIOCHIM. BIOPHYS., ACAD. SCI. HUNG., 1, 187-196 (1966), (ENGLISH), 2ND DEPARTMENT OF MEDICINE, UNIVERSITY MEDICAL SCHOOL, DEBRECEN AND CENTRAL RESEARCH INSTITUTE FOR PHYSICS, HUNGARIAN ACADEMY OF SCIENCES, BUDAPEST, HUNGARY,

4191 PATEK, P. * SORANTIN, H.
NONDESTRUCTIVE DETERMINATION OF TRACE ELEMENTS IN
RED PHOSPHOROUS BY NEUTRON ACTIVATION AND GAMMA
SPECTROMETRY.
Z. ANAL. CHEM., 226, NO. 4, 338-346 (1967).
(GERMAN) (ENGLISH SUMMARY). INSTITUT FUR CHEMIE,
REAKTORZENTRUM SEIBERSDORF, OSTERREICHISCHE
STUDIENGESELLSCHAFT FUR ATOMENERGIE GMBH,
SEIBERSDORF, AUSTRIA.

4192 BRUNFELT, A.O. * STEINNES, E.
DETERMINATION OF CHROMIUM IN ROCKS BY NEUTRON
ACTIVATION AND ANION EXCHANGE.
ANAL. CHEM., 39, NO. 7, 833-834 (1967).
(ENGLISH). MINERALOGICAL-GEOLOGICAL MUSEUM,
UNIVERSITY OF OSLO, OSLO, NORWAY AND INSTITUTT FOR
ATOMENERGIE, ISOTOPE LABORATORY, KJELLER, NORWAY.

4193 RICCI, E. * HAHN, R.L.
SENSITIVITIES FOR ACTIVATION ANALYSIS OF 15 LIGHT
ELEMENTS WITH 18 MEV HELIUM-3 PARTICLES.
ANAL. CHEM., 39, NO. 7, 794-797 (1967).
(ENGLISH). ANALYTICAL CHEMISTRY DIVISION, OAK
RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE.

4194 SHENBERG, C. * GILAT, J. * FINSTON, H.L.
USE OF X-RAY SPECTROMETRY IN ACTIVATION ANALYSIS.
DETERMINATION OF BROMINE.
ANAL. CHEM., 39, NO. 7, 780-785 (1967).
(ENGLISH). NUCLEAR CHEMISTRY DEPARTMENT, SOREQ
NUCLEAR RESEARCH CENTRE, YAVNE, ISRAEL.

4195 JOHANSEN, O. * STEINNES, E.
DETERMINATION OF CHLORINE IN U.S.G.S. STANDARD
ROCKS BY NEUTRON ACTIVATION ANALYSIS.
GEOCHIM. COSMOCHIM. ACTA, 31, NO. 6, 1107-1109
(1967). (ENGLISH). ISOTOPE LABORATORY, INSTITUTT
FOR ATOMENERGI, KJELLER, NORWAY.

4196 ALPATEV, Y.S. * BOREISHA, E.G. * GORDIENKO, A.G. *
ZELENIN, V.M. * KOROBKO, M.I.
ESTIMATE OF THE SENSITIVITY AND ACCURACY OF
DETERMINING THE TOTAL AMOUNT OF OXYGEN IN METALS
BY THE NEUTRON ACTIVATION METHOD.
INDUSTRIAL LABORATORY, 32, NO. 12, 1824-1827
(1966). (ENGLISH TRANSLATION). INSTITUTE OF
AUTOMATION OF THE STATE COMMITTEE ON APPARATUS
CONSTRUCTION, METHODS OF AUTOMATION AND CONTROL
SYSTEMS, ASSOCIATED WITH THE STATE PLANNING
COMMISSION OF THE USSR.

4197 LEMBERG, I.K. * GIRSHIN, A.B. * GUSINSKII, G.M.
DETERMINING THE O-18 CONCENTRATION BY DETECTING GAMMA-QUANTA EMITTED IN THE REACTION O-18 (ALPHA, N GAMMA)NE-21.
INDUSTRIAL LABORATORY, 32, 1833-1834 (1966), (ENGLISH TRANSLATION). A.E. IOFFE PHYSICOTECHNICAL INSTITUTE, ACADEMY OF SCIENCES OF THE USSR.

4198 WILKNISS, P.E.
NUCLEAR METHODS OF ANALYSIS FOR LUNAR AND PLANETARY EXPLORATION.
ATOMPRAXIS, 12, 391-392 (AUGUST 1966), (ENGLISH), RESEARCH AND DEVELOPMENT DEPARTMENT, U.S. NAVAL PROPELLANT PLANT, INDIAN HEAD, MARYLAND.

4199 SMITH, L.H.
STATISTICAL TECHNIQUES IN ACTIVATION ANALYSIS.
ANAL. CHIM. ACTA, 36, NO. 2, 149-165 (1966), (ENGLISH) (FRENCH AND GERMAN SUMMARIES), ARLINGTON STATE COLLEGE, UNIVERSITY OF TEXAS, ARLINGTON, TEXAS.

4200 MENON, M.P. * BERRY, D.W.
A SPECTRUM STRIPPING METHOD FOR THE COMPUTER-COUPLED ACTIVATION ANALYSIS OF UNKNOWN SAMPLES BY GAMMA-RAY SPECTROMETRY.
ANAL. CHIM. ACTA, 38, NO. 3, 349-356 (1967), (ENGLISH) (FRENCH AND GERMAN SUMMARIES), ACTIVATION ANALYSIS RESEARCH LABORATORY, TEXAS A AND M UNIVERSITY, COLLEGE STATION, TEXAS.

4201 MALVANO, R.
NEUTRON ACTIVATION ANALYSIS FOR SODIUM TRACES IN MAGNESIUM.
ANAL. CHIM. ACTA, 38, NO. 3, 341-347 (1967), (ENGLISH) (FRENCH AND GERMAN SUMMARIES), SORIN, CENTRO RICERCHE NUCLEARI, SALUGGIA-VERCELLI, ITALY.

4202 GRAY, A.L.
ACTIVATION ANALYSIS IN PROCESS CONTROL.
CONTROL, 11, 19-23 (JANUARY 1967), (ENGLISH), ENGLAND.

320-044 O-68—28

4203 ALIAN, A. * SANAD, W.
NEUTRON ACTIVATION ANALYSIS BY STANDARD ADDITION AND SOLVENT EXTRACTIONS. DETERMINATION OF TRACES OF THORIUM IN ALUMINIUM BY EXTRACTION OF PROTACTINIUM-233.
ANAL. CHIM. ACTA, 38, NO. 3, 327-332 (1967). (ENGLISH) (FRENCH AND GERMAN SUMMARIES). NUCLEAR CHEMISTRY DEPARTMENT, ANALYTICAL DIVISION, ATOMIC ENERGY ESTABLISHMENT, CAIRO, UAR.

4204 COOPER, R.D. * BROWNELL, G.L.
A LARGE COAXIAL GE(LI) DETECTOR WITH PLASTIC ANTICOINCIDENCE SCINTILLATOR FOR ACTIVATION ANALYSIS.
NUCL. INSTRUMENT METHODS, 51, NO. 1, 72-76 (1967). (ENGLISH). NUCLEAR ENGINEERING DEPARTMENT, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MASSACHUSETTS.

4205 EDEN, Y.
A FAST IDENTIFICATION OF TRACES OF SILICON BY ACTIVATION ANALYSIS WITH 14 MEV NEUTRONS.
NUCL. INSTRUMENT METHODS, 49, NO. 2, 352-354 (1967). (ENGLISH). SOREQ NUCLEAR RESEARCH CENTER, YAVNE, ISRAEL.

4206 STERLINSKI, S.
THE LIMIT OF IDENTIFICATION FOR SHORT-LIVED RADIOISOTOPES IN ACTIVATION ANALYSIS. THE LIMIT OF MEASUREMENT OF HALF-LIFE.
NUCL. INSTRUMENTS METHODS, 47, 329-341 (1967). (ENGLISH). DEPARTMENT OF ANALYTICAL CHEMISTRY, INSTITUTE OF NUCLEAR RESEARCH, WARSAW-ZERAN, POLAND.

4207 AKABOSHI, M. * MAEDA, T. * WAKI, A.
DETERMINATION OF THE NUCLEIC ACID CONTENT OF PROTOZOA BY ACTIVATION ANALYSIS.
BIOCHIM. BIOPHY. ACTA, 138, NO. 3, 596-597 (1967). (ENGLISH). RESEARCH REACTOR INSTITUTE KYOTO UNIVERSITY, KUMATORI-CHO, SENNAN-GUN, OSAKA, JAPAN.

4208 RUSTICHELLI, F. * MARACCI, G. * BRESESTI, M.
ACTIVATION TECHNIQUES IN THE MEASUREMENT OF THE U-235 CONTENT IN DEPLETED URANIUM.
NUCL. INSTRUMENTS METHODS, 42, 333-335 (JULY 1966). (ENGLISH). EXPERIMENTAL NEUTRON PHYSICS LABORATORY, REACTOR PHYSICS DEPARTMENT AND NUCLEAR CHEMISTRY LABORATORY, CHEMISTRY DEPARTMENT, CCR, EURATOM, ISPRA, ITALY.

4209 GORODETZKY, S, * PAPE, A, * CHEVALLIER, A, *
SENS, J.C. * ARMBRUSTER, R,
LOW ENERGY HE-3 ACTIVATION ANALYSES FOR CARBON AND
OXYGEN.
NUCL. INSTRUMENTS METHODS, 42, 269-272 (JULY
1966). (ENGLISH). INSTITUT DE RECHERCHES
NUCLEAIRES, STRASBOURG, FRANCE.

4210 SCHONFELD, E.
ALPHA. A COMPUTER PROGRAM FOR THE DETERMINATION
OF RADIOISOTOPES BY LEAST-SQUARES RESOLUTION OF
THE GAMMA-RAY SPECTRA.
NUCL. INSTRUMENTS METHODS, 42, 213-218 (JULY
1966). (ENGLISH). OAK RIDGE NATIONAL LABORATORY,
OAK RIDGE, TENNESSEE.

4211 ALBERT, P,
RADIOCHEMICAL METHODS IN ANALYTICAL CHEMISTRY.
ACTIVATION ANALYSIS WITH GAMMA RAY PHOTONS AND
CHARGED PARTICLES.
CHIMIA, 21. NO. 3, 116-125 (1967). (FRENCH)
(ENGLISH SUMMARY). CENTRE D ETUDES DE CHIMIE
METALLURGIQUE DU C.N.R.S., VITRY, FRANCE.

4212 BOWEN, H.J.M.
NEUTRON ACTIVATION ANALYSIS.
CHIMIA, 21. NO. 3, 113-116 (1967). (ENGLISH).
DEPARTMENT OF CHEMISTRY, UNIVERSITY OF READING,
ENGLAND.

4213 RAKOVIC, M. * PROCHAZKOVA, Z.
THE ACCURACY EVALUATION OF THE FORMERLY PROPOSED
CORRECTION FACTOR FOR ITS PRACTICAL APPLICATION IN
ACTIVATION ANALYSIS.
JADERNA ENERGIE, 12, 384-386 (OCTOBER 1966).
(CZECH) (ENGLISH SUMMARY). KATEDRA LEKARSKE
FYZIKY A NUKFARNI MEDICINY FAKULTY VSEOBECNEHO
LEKARSTVI KARLOVY UNIVERSITY, PRAHA,
CZECHOSLOVAKIA.

4214 BROADHEAD, K.G. * SHANKS, D.E.
THE APPLICATION OF 2.8-MEV (D, D) NEUTRONS TO
ACTIVATION ANALYSIS.
INTERN. J. APPLIED RADIATION ISOTOPES, 18, NO. 5,
279-283 (1967). (ENGLISH) (FRENCH, RUSSIAN AND
GERMAN SUMMARIES). RENO METALLURGY RESEARCH
CENTER, BUREAU OF MINES, U.S. DEPARTMENT OF THE
INTERIOR, RENO, NEVADA.

4215 JULIANO, J.O. * BUOT, F.
CONSTRUCTION AND PERFORMANCE OF A SIMPLE NEUTRON SOURCE.
PHILIPPINE J. SCIENCE, 94, 221-234 (JUNE 1965). (ENGLISH). PHILIPPINE ATOMIC RESEARCH CENTER, DILIMAN, QUEZON CITY, PHILIPPINES.

4216 NAGY, L.G. * MESTER, Z. * TAKACS, G.
NEUTRON ACTIVATION ANALYSIS OF METAL TRACE IMPURITIES IN ASCORBIC ACID.
MAGYAR KEMIAI FOLYOIRAT, 73, NO. 3, 137-138 (1967). (HUNGARIAN) (ENGLISH SUMMARY). BUDAPESTI MUSZAKI EGYETEM FIZIKAI-KEMIAI TANSZEKE, BUDAPEST, HUNGARY.

4217 NAGY, L.G. * SCHIFF, E.
A METHOD OF PRETREATMENT FOR THE DETERMINATION OF TRACE IMPURITIES (CU, AU) IN HIGH-PURITY GALLIUM BY NEUTRON ACTIVATION ANALYSIS.
MAGYAR KEMIAI FOLYOIRAT, 73, NO. 4, 188 (1967). (HUNGARIAN) (ENGLISH SUMMARY). BUDAPESTI MUSZAKI EGYETEM FIZIKAI KEMIAI TANSZEKE, BUDAPEST, HUNGARY.

4219 HAYES, D.W. * SLOWEY, J.F. * HOOD, D.W.
RARE EARTH DISTRIBUTION IN WATERS OF GULF OF MEXICO.
TID-23295, SECT. 4,112P., UNDATED. (ENGLISH). USA.

4221 TALAT-ERBEN, M. * OKAR, S.
DETERMINATION OF THALLIUM BY ACTIVATION ANALYSIS BASED ON THE REACTION TL-203(N,2N)TL-202.
CNAEM-39, 14P., SEPTEMBER 1966. (ENGLISH). P.K.I., HAVA ALANI, ISTANBUL, TURKEY.

4224 SMITH, G.W. * BECKER, D.A. * LUTZ, G.J. * CURRIE, L.A. * DE VOE, J.R.
DETERMINATION OF TRACE ELEMENTS IN STANDARD REFERENCE MATERIALS BY NEUTRON ACTIVATION ANALYSIS.
ANAL. CHIM. ACTA, 38, NO. 3, 333-340 (1967). (ENGLISH) (FRENCH AND GERMAN SUMMARIES). ANALYTICAL CHEMISTRY DIVISION, NATIONAL BUREAU OF STANDARDS, GAITHERSBURG, MARYLAND.

4226 RYAN, V.A. * GREEN, J.L. * LOWENHAUPT, E.H.
OXYGEN AND CARBON CONTENT OF LANTHANIDE AND ACTINIDE METALS OBTAINED BY REDUCTION OF WET AND DRY PRODUCED TRIFLUORIDES.
J. INORG. NUCL. CHEM., 29, 581-584 (FEBRUARY 1967). (ENGLISH). DEPARTMENT OF CHEMISTRY, UNIVERSITY OF WYOMING, LARAMIE, WYOMING.

4227 PETERSEN, D.F. * LANGHAM, W.H.
NEUTRON ACTIVATION OF SULFUR IN HAIR. APPLICATION IN A NUCLEAR ACCIDENT DOSIMETRY STUDY.
HEALTH PHYSICS, 12, NO. 3, 381-384 (1966). (ENGLISH). LOS ALAMOS SCIENTIFIC LABORATORY, UNIVERSITY OF CALIFORNIA, LOS ALAMOS, NEW MEXICO.

4228 KENNA, B.T. * CONRAD, F.J.
FAST NEUTRON FLUX PATTERN FOR A 14-MEV NEUTRON GENERATOR.
HEALTH PHYSICS, 12, NO. 4, 564-566 (APRIL 1966). (ENGLISH). ANALYTICAL METHODS DIVISION, SANDIA LABORATORY, ALBUQUERQUE, NEW MEXICO.

4230 DAS, H.A. * ZONDERHUIS, J.
THE NON-DESTRUCTIVE ANALYSIS OF ANCIENT SILVER COINS.
REC. TRAV. CHIM., 85, 837-841 (AUGUST 1966). (ENGLISH). REACTOR CENTRUM NEDERLAND, PETTEN, NETHERLANDS.

4231 QUITTNER, P. * SIMONITS, A. * ELEK, A.
DETERMINATION OF ALUMINIUM AND SODIUM IN TUNGSTEN BY NON-DESTRUCTIVE ACTIVATION ANALYSIS.
TALANTA, 14, NO. 5, 417-420 (1967). (ENGLISH) (GERMAN AND FRENCH SUMMARIES). CENTRAL RESEARCH INSTITUTE FOR PHYSICS, BUDAPEST, HUNGARY.

4232 BATE, L.C. * HEALY, W.B. * LUDWIG, T.G.
MICROELEMENT CONTENT OF HAIR FROM NEW ZEALAND BOYS AS DETERMINED BY NEUTRON ACTIVATION ANALYSIS.
NEW ZEALAND J. SCIENCE, 9, NO. 3, 559-564 (1966). (ENGLISH). ANALYTICAL CHEMISTRY DIVISION, OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE, SOIL BUREAU, DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH, LOWER HUTT, NEW ZEALAND AND DENTAL RESEARCH UNIT, M.R.C., WELLINGTON, NEW ZEALAND.

4240 KATO, R, * ONO, R, * KONO, T, * KISHITANI, M, * ONO, M, * HAYASHI, S,
ACTIVATION ANALYSIS OF CANCER,
RADIOISOTOPES (TOKYO), 15, 221-223 (1966), (ENGLISH) (JAPANESE SUMMARY), NUCLEAR RESEARCH LABORATORY, RITUMEIKAN UNIVERSITY, KYOTO, JAPAN,

4242 ANOSHIN, G.N. * POTAPYEV, V.V,
GOLD IN GRANITES OF THE ALTAI AND TRANSBAIKAL (ACCORDING TO DATA OF THE RADIOACTIVATION ANALYSIS),
GEOKHIMIYA, NO, 9, 1070-1074 (SEPT, 1966), (RUSSIAN) (ENGLISH SUMMARY), INSTITUTE OF GEOLOGY AND GEOPHYSICS OF THE SIBERIAN BRANCH OF THE ACADEMY OF SCIENCE, USSR, NOVOSIBIRSK, RUSSIA,

4243 AGELAO, G, * DARDANONI, Z.T.
DETERMINATION OF THE QUANTITY OF TWO ELEMENTS CONTAINED IN A MATERIAL BY NEUTRON ACTIVATION ANALYSIS, WHEN THERE IS A SMALL DIFFERENCE IN THEIR HALF LIVES,
ATTI. ACCAD, SCI, LETTERE ARTI PALERMO, PT, 1, 24, 85-94 (1963/1964), (ITALIAN) (ENGLISH AND FRENCH SUMMARIES), ISTITUTO DI APPLICAZIONI E IMPIANTI NUCLEARI DELL UNIVERSITA DI PALERMO, ITALY,

4244 CAPPADONA, C,
ACTIVATION ANALYSIS, RAPID DETERMINATION OF GOLD IN SEAWATER,
ATTI ACCAD. SCI, LETTERE ARTI PALERMO, PT, 1, 24, 71-74 (1963/64), (ITALIAN) (ENGLISH AND FRENCH SUMMARIES), ISTITUTO DI APPLICAZIONI E IMPIANTI NUCLEARI DELL UNIVERSITA DI PALERMO, ITALY,

4248 RAKOVIC, M, * PROCHAZKOVA, Z,
STUDIES OF THE ABSORPTION CURVES OF VARIOUS MIXTURES OF NA-24-K-42 FOR CONTROLLING RADIOCHEMICAL PURITY IN NEUTRON ACTIVATION ANALYSIS,
CHEM, ZVESTI, 20, 538-544 (1966), (CZECH), KATEDRA LEKARSKE FYSIKY A NUKLEARNI MEDICINY FAKULTY VSEOBECNEHO LEKARSTVI KARLOVY UNIVERSITY, PRAHA, CZECHOSLOVAKIA,

4249 GALIANO SEDANO, J.A. * TRAVESI JIMENEZ, A.
QUANTITATIVE ACTIVATION ANALYSIS FOR TRACES OF GOLD IN URANIUM MINERALS,
AN. REAL SOC. ESPAN, FIS, QUIM. (MADRID), SER. B, 62, 1119-1128, (NOV, 1966), (SPANISH) (ENGLISH SUMMARY). JUNTA DE ENERGIA NUCLEAR, DIRECCION DE QUIMICA E ISOTOPOS, SECCION DE QUIMICA ANALITICA, SECCION DE RADIOQUIMICA, MADRID, SPAIN.

4250 TRAVESI, A.
DETERMINATION OF NEODYMIUM BY ACTIVATION FOR CONTROL OF THE PREPARATION OF PROMETHIUM-147,
AN. REAL SOC. ESPAN, FIS, QUIM., SER, B, 63, NO. 1, 67-78 (1967), (SPANISH) (ENGLISH SUMMARY), JUNTA DE ENERGIA NUCLEAR, DIRECCION DE QUIMICA E ISOTOPOS, MADRID, SPAIN,

4251 LEONARD, B.H. JR.
ACTIVATION ANALYSIS NUCLEAR REACTOR AND SPOOL-LIKE ELEMENT THEREFOR,
U.S. PATENT 3,274,064, SEPT, 20, 1966, (ENGLISH), LADUE, MISSOURI.

4252 ARMISTEAD, F.C.
RADIOACTIVITY ANALYSIS OF A MEDIUM UTILIZING A PULSED NEUTRON SOURCE,
U.S. PATENT 3,256,438, JUNE 14, 1966, (ENGLISH), RICHMOND, VIRGINIA,

4253 SMALES, A.A. * MAPPER, D. * FOUCHE, K.F.
THE DISTRIBUTION OF SOME TRACE ELEMENTS IN IRON METEORITES, AS DETERMINED BY NEUTRON ACTIVATION,
GEOCHIM. COSMOCHIM. ACTA, 31, NO, 5, 673-720 (1967), (ENGLISH), ANALTICAL SCIENCES DIVISION, UKAEA, AERE, HARWELL, BERKSHIRE, ENGLAND,

4254 BALLAUX, C. * DAMS, R. * HOSTE, J.
NEUTRON ACTIVATION ANALYSIS OF HIGH PURITY SELENIUM. PART I. DETERMINATION OF BROMINE.
ANAL. CHIM. ACTA, 37, 164-171 (FEB, 1967), (ENGLISH) (FRENCH AND GERMAN SUMMARIES), INSTITUTE FOR NUCLEAR SCIENCES, GHENT UNIVERSITY, GHENT, BELGIUM,

4255 DIXON, B.W. * SLOWEY, J.F. * HOOD, D.W.
NEUTRON ACTIVATION ANALYSIS OF RUTHENIUM IN SEA WATER.
TID-23295, SECT. 3, 22P, UNDATED, (ENGLISH), TEXAS A AND M UNIVERSITY, COLLEGE STATION, TEXAS.

4258 YOSHISAKI, M.B. * PENAS, N.P. JR. * SABINA, A.C.
PRR-1 WATER ANALYSIS, DEC. 1963-NOV. 1964.
PAEC (C) RE-652, 23P., FEB. 1965, (ENGLISH).
PHILIPPINE ATOMIC ENERGY COMMISSION, PHILIPPINE
ATOMIC RESEARCH CENTER, MANILA, PHILIPPINES.

4260 LEPETIT, H. * TOUSSET, J.
PRECISION AND CALIBRATION IN THE DETERMINATION OF
OXYGEN BY NEUTRONS AT 14 MEV.
JOURNEE DE RADIOCHIMIE ANALYTIQUE, 39-76, 1965,
(FRENCH). INSTITUT DE PHYSIQUE NUCLEAIRE DE LYON,
FRANCE.

4261 BUSSIERE, P.
DETERMINATION OF FLUORINE IN GELS OF
SILICA-ALUMINA CONTAINING LEAD FLUORIDE BY FAST
NEUTRON RADIOACTIVATION.
JOURNEE DE RADIOCHIMIE ANALYTIQUE, 31-38, 1965,
(FRENCH). INSTITUT DE RECHERCHES SUR LA CATALYSE,
C.N.R.S., VILLEURBANNE, RHONE, FRANCE.

4262 LOBANOV, E.M. * ABAROV, J.
RADIOACTIVATION METHOD FOR DETERMINING POTASSIUM
IN ROCKS USING MAGNETIC BETA SEPARATOR.
IZV. AKAD. NAUK UZ. SSR, SER. FIZ.-MAT. NAUK, NO.
1, 77-80 (JANUARY-FEBRUARY 1966), (RUSSIAN).
INSTITUTE OF PHYSICS AND TECHNOLOGY, ACADEMY OF
SCIENCES, USBEK SSR, RUSSIA.

4263 SCOTT, J.E. * HOFFMAN, C.M. * PRO, M.J. *
SCHLESINGER, H.L.
COMPARISON OF ADHESIVE TAPES BY NEUTRON ACTIVATION
ANALYSIS.
J. ASSN. OFFIC. ANAL. CHEM., 50, NO. 2, 371-376
(1967). (ENGLISH). POST OFFICE DEPARTMENT AND
ALCOHOL AND TOBACCO TAX DIVISION, INTERNAL REVENUE
SERVICE, WASHINGTON, D.C.

4264 BONDY, C.
APPLICATION OF VARIOUS METHODS IN ACTIVATION
ANALYSIS FOR IRON AND COBALT.
ANAL. CHIM. ACTA, 38, NO. 4, 579-580 (1967),
(FRENCH). ATOME INDUSTRIEL, GRENOBLE, FRANCE.

4266 SMALES, A.A.
ANALYTICAL CHEMISTRY, SCIENCE OR TECHNOLOGY.
PROC. SOC. ANAL. CHEM. CONF., NOTTINGHAM, ENGLAND,
1-23, 1965. (ENGLISH). UKAEA HARWELL, ENGLAND.

4267 LIVINGSTON, H.D. * SMITH, H. * STOJANOVIC, N.
SIMULTANEOUS ESTIMATION OF COPPER, ZINC, CADMIUM
AND MERCURY IN BIOLOGICAL MATERIAL BY NEUTRON
ACTIVATION ANALYSIS.
TALANTA, 14, NO. 4, 505-513 (1967). (ENGLISH)
(GERMAN AND FRENCH SUMMARIES). DEPARTMENT OF
FORENSIC MEDICINE, THE UNIVERSITY, GLASGOW,
SCOTLAND.

4268 KIESL, W.
DETERMINATION OF TRACE ELEMENTS IN METEORITES BY
ACTIVATION ANALYSIS. I. SELENIUM, ARSENIC,
ANTIMONY, TIN, MERCURY, (CHROMIUM AND COBALT).
Z. ANAL. CHEM., 227, NO. 1, 13-22 (1967). (GERMAN)
(ENGLISH SUMMARY). ANALYTISCHES INSTITUT DER
UNIVERSITAT WIEN, AUSTRIA.

4269 WEY, M-T.
DETERMINATION OF ARSENIC IN TOBACCO LEAF BY
NEUTRON ACTIVATION ANALYSIS.
HUA HSUEH, NO. 4, 121-126 (1966). (CHINESE)
(ENGLISH SUMMARY). DEPARTMENT OF CHEMISTRY, TAIWAN
PROVINCIAL NORMAL UNIVERSITY.

4270 VAJTA, L. * PALMAI, G. * SZEBENYI, I. * TOTH, G.
ACTIVATION ANALYSIS DETERMINED BY VANADIUM CONTENT
OF PETROLEUM PROCESSED IN HUNGARY.
PERIOD. POLYTECH. CHEM. ENG. (BUDAPEST), 10, NO.
3, 259-278 (1966). (GERMAN) LEHRSTUHL FUR
CHEMISCHE TECHNOLOGIE, TECHNISCHE UNIVERSITAT
BUDAPEST. HUNGARY.

4272 SOULIOTIS, A.G. * BELKAS, .P. * GRIMANIS, A.P.
DETERMINATION OF TRACE AMOUNTS OF MAGNESIUM,
STRONTIUM AND NICKEL IN LAKE-WATER SAMPLES BY
NEUTRON-ACTIVATION ANALYSIS.
ANALYST, 92, NO. 1094, 300-304 (1967). (ENGLISH).
NUCLEAR RESEARCH CENTER, DEMOCRITOS, CHEMISTRY
DEPARTMENT, AGHIA PARASKEVI ATTIKIS, ATHENS,
GREECE.

4273 RISON, M.H. * BARBER, W.H. * WILKNISS, P.
DETERMINATION OF TRACE AMOUNTS OF PHOSPHORUS IN A
COMPOSITE PROPELLANT BY FAST NEUTRON ACTIVATION
ANALYSIS.
ANAL. CHEM., 39, NO. 8, 1028-1030 (1967).
(ENGLISH). RESEARCH AND DEVELOPMENT DEPARTMENT,
U.S. NAVAL PROPELLANT PLANT, INDIAN HEAD,
MARYLAND.

4274 CONRAD, F.J. * KENNA, B.T.
DETERMINATION SELENIUM BY ACTIVATION ANALYSIS AND
DRY VOLATIZATION,
ANAL. CHEM., 39, NO. 8, 1001-1002 (1967),
(ENGLISH). ANALYTICAL METHODS DIVISION, SANDIA
LABORATORY, ALBUQUERQUE, N.M.

4275 TSIRLIN, Y.A. * GELFMAN, A.Y. * MOKHIR, E.P.
SOME PROBLEMS IN ESTABLISHING THE OPTIMUM
CONDITIONS FOR THE RADIOACTIVATION ANALYSIS OF
BINARY SYSTEMS.
J. ANAL. CHEM., USSR, 21, NO. 8, 901-903 (1966),
(ENGLISH TRANSLATION), ALL-UNION SCIENTIFIC
RESEARCH INSTITUTE OF MONOCRYSTALS, SCINTILLATION
MATERIALS AND SPECIAL PURITY CHEMICALS, KHARKOV,
RUSSIA.

4276 BUSHKOV, A.P. * PROKOPCHIK, V.I.
THE ACTIVATION METHOD FOR DETERMINING FLUORITE.
SOVIET ATOMIC ENERGY, 21, 868-870 (SEPT, 1966).
(ENGLISH TRANSLATION), RUSSIA.

4277 DOROSH, M.M * MAZYUKEVICH, N.P. *
SHKODA-ULYANOV, V.A.
ANALYZING THE OXYGEN CONTENT OF CERTAIN METALS BY
RECORDING THE DELAYED NEUTRONS PRODUCED IN THE
O-18 (GAMMA, P) N-17 REACTION.
SOVIET ATOMIC ENERGY, 807-810 (SEPT, 1966).
(ENGLISH TRANSLATION), RUSSIA.

4278 WAGENER, K. * ZIESSOW, D. * ZIMEN, K.E.
AGE DETERMINATION BY ACTIVATION ANALYSIS ACCORDING
TO POTASSIUM-ARGON METHOD AND ACCURACY OF
ANALYSIS.
Z. NATURFORSCHUNG, 21A, NO. 11, 1989-1992 (1966),
(GERMAN). HAHN-MEITNER INSTITUT FUR KERNFORSCHUNG
BERLIN, SEKTOR KERNCHEMIE, GERMANY.

4280 HOLLANDER, J.M. * PERLMAN, I.
THE SEMICONDUCTOR REVOLUTION IN NUCLEAR RADIATION
COUNTING.
SCIENCE, 154, NO. 3745, 84-93 (1966), (ENGLISH),
LAWRENCE RADIATION LABORATORY, UNIVERSITY OF
CALIFORNIA, BERKELEY, CALIFORNIA.

4281 KENNINGTON, G.S.
ACTIVATION ANALYSIS OF SOLUBLE AND FIXED SODIUM IN MAMMALIAN HAIR.
SCIENCE, 155, NO, 3672, 588-589 (1967). (ENGLISH), DEPARTMENT OF ZOOLOGY AND PHYSIOLOGY, UNIVERSITY OF WYOMING, LARAMIE, WYOMING.

4282 SENFTLE, F.E.
MINERAL EXPLORATION BY IN SITU NEUTRON ACTIVATION.
TRANS. AMER, NUCL. SOC. 9, 593-594, (OCT.-NOV, 1966). (ENGLISH), U.S. GEOLOGICAL SURVEY.

4283 BABB, A.L. * WOODRUFF, G.L. * WILSON, W.E., JR. * HENITZ, P.A. * MILLER, W.P. * STAMM, S.J.
THE USE OF NEUTRON ACTIVATION ANALYSIS IN THE EARLY DIAGNOSIS OF CYSTIC FIBROSIS IN CHILDREN.
TRANS. AMER, NUCL. SOC., 9, 591-592 (OCT.-NOV, 1966). (ENGLISH), UNIVERSITY OF WASHINGTON AND CHILDRENS ORTHOPEDIC HOSPITAL AND MEDICAL CENTER, SEATTLE, WASHINGTON.

4284 GRABER, F.M. * LUKENS, H.R.
A SENSITIVE AND ACCURATE ACTIVATION ANALYSIS METHOD FOR THE ROUTINE DETERMINATION OF FLUORINE.
TRANS. AMER, NUCL. SOC., 9, 590-591 (OCT.-NOV, 1966). (ENGLISH), GENERAL ATOMICS, SAN DIEGO, CALIFORNIA.

4285 JESTER, W.A. * KLAUS, E.E.
STUDYING THE EFFECTS OF TRACE ELEMENTS OF HIGH-PURITY LUBRICANTS USING ACTIVATION ANALYSIS.
TRANS. AMER, NUCL. SOC., 9, 589-590 (OCT.-NOV, 1966). (ENGLISH), PENNSYLVANIA STATE UNIVERSITY, PENNSYLVANIA.

4286 BRYAN, D.E. * GUINN, V.P.
FORENSIC ACTIVATION ANALYSIS--TRACE LEVEL ELEMENTS IN COMMERICAL PAINTS.
TRANS. AMER, NUCL. SOC., 9, 589 (OCT.-NOV, 1966). (ENGLISH), GENERAL ATOMICS, SAN DIEGO, CALIFORNIA.

4287 FURR, A.K. * ROBINS, C.H. * ROBINSON, E.L.
A COMPUTER PROGRAM FOR IDENTIFICATION OF THE COMPONENTS OF COMPLEX GAMMA SPECTRA OBTAINED IN NEUTRON ACTIVATION ANALYSIS.
TRANS. AMER, NUCL. SOC., 9, 588-589 (OCT.-NOV, 1966). (ENGLISH), VIRGINIA POLYTECHNIC INSTITUTE, VIRGINIA.

4289 TURKEVICH, A. * KNOLLE, K. * EMMERT, R.A. *
ANDERSON, W.A. * PATTERSON, J.H. * FRANZGROTE, E.
INSTRUMENT FOR LUNAR SURFACE CHEMICAL ANALYSIS.
REV. SCI. INSTRUM., 37, 1681-1686, (DEC. 1966).
(ENGLISH). ENRICO FERMI INSTITUU≡≡O≡≡ NUCLEAR
STUDIES, UNIVERSITY OF CHICAGO, CHICAGO, ILLINOIS,
ARGONNE NATIONAL LABORATORY, ARGONNE, ILLINOIS,
AND JET PROPULSION LABORATORY, PASADENA,
CALIFORNIA.

4290 TANNER, J.T.
THE DETERMINATION OF ANTIMONY IN NATURAL MATERIALS
BY NEUTRON ACTIVATION.
ORO-2670-15, 141P., SEPT. 1, 1966, (ENGLISH),
DEPARTMENT OF CHEMISTRY, UNIVERSITY OF KENTUCKY,
LEXINGTON, KENTUCKY.

4291 SLOWEY, J.F., JR.
STUDIES ON THE DISTRIBUTION OF COPPER, MANGANESE
AND ZINC IN THE OCEAN USING NEUTRON ACTIVATION
ANALYSIS.
TID-23295, SECT. 2, 113P., UNDATED, (ENGLISH),
USA.

4293 PATEK, P. * SORANTIN, H.
DETERMINATION OF IMPURITIES IN RED PHOSPHORUS BY
MEANS OF NEUTRON ACTIVATION AND GAMMA
SPECTROSCOPY.
SGAE-CH-31/1966, 15P, 1966, (GERMAN) (ENGLISH
SUMMARY). INSTITU FUR CHEMIE, REAKTORZENTRUM
SEIBERSDORF, AUSTRIA.

4294 WING, J.A. * WAHLGREN, M.A.
DETECTION SENSITIVITIES IN NUCLEAR ACTIVATION WITH
AN ISOTOPIC NEUTRON SOURCE (WITH A COLLECTION OF
GAMMA-RAY SPECTRA).
ANL-7242, 111P., AUGUST 1966, (ENGLISH), ARGONNE
NATIONAL LABORATORY, ARGONNE, ILLINOIS.

4296 KIM, Y-S. * CHAE, S-C.
STUDY ON A RADIO PAPER PARTITION CHROMATOGRAPHY OF
ORGANIC HALOGEN COMPOUNDS BY NEUTRON IRRADIATION.
A QUALITATIVE APPROACH.
TA HAN HUA HSUEH HUI-CHIH, 8, NO. 2, 47-56 (JUNE
1964). (ENGLISH) (KOREAN SUMMARY). DIVISION OF
CHEMISTRY, ATOMIC ENERGY RESEARCH INSTITUTE,
SEOUL, KOREA.

4298 KUDO, K.
DETERMINATION OF TRACE AMOUNTS OF COPPER USING THE
QUANTITATIVE ISOTOPE DILUTION METHOD,
RADIOISOTOPES (TOKYO), 15, 209-214 (1966),
(ENGLISH) (JAPANESE SUMMARY), ELECTRIAL
COMMUNICATION LABORATORY, NIPPON TELEGRAPH AND
TELEPHONE PUBLIC CORPORATION, TOKAI, IBARAKI,
JAPAN.

4299 GOBRECHT, H. * TAUSEND, A. * BRATTER, P. *
WILLERS, G.
DETERMINATION OF CHLORINE IN SELENIUM BY NEUTRON
ACTIVATION ANALYSIS,
SOLID STATE COMMUN., 4, 307-310 (JUNE 1966),
(ENGLISH). PHYSIKALISCHES INSTITUT DER
TECHNISCHEN UNIVERSITAT BERLIN AND
HAHN-MEITNER-INSTITUT FUR KERNFORSCHUNG BERLIN,
GERMANY.

4300 GOBRECHT, H. * TAUSEND, A. * BRATTER, P. *
WILLERS, G.
DETERMINATION OF SULPHUR AND ANTIMONY IN SELENIUM
BY EPITHERMAL NEUTRON ACTIVATION ANALYSIS,
SOLID STATE COMMUN., 4, 311-314 (JUNE 1966),
(ENGLISH). PHYSIKALISCHES INSTITUT DER
TECHNISCHEN UNIVERSITAT BERLIN AND
HAHN-MEITNER-INSTITUT FUR KERNFORSCHUNG BERLIN,
GERMANY.

4301 BILDSTEIN, H. * AUER-WELSBACH, H.
A CONTRIBUTION TO THE QUANTITATIVE ACTIVATION
ANALYSIS DETERMINATION OF PURITY OF THE RARE EARTH
OXIDES.
MONATSH. CHEM., 97, 905-910 (1966), (GERMAN)
(ENGLISH SUMMARY), INSTITUT FUR CHEMIE,
REAKTORZENTRUM SEIBERSDORF, OSTERREICHISCHE,
STUDIENGESELLSCHAFT FUR ATOMENERGIE, GES. M.B.H.,
UND DEM INSTITUT FUR ANORGANISCHE CHEMIE DER
UNIVERSITAT WIEN, AUSTRIA.

4302 OSAWA, M. * TOKUNAGA, T. * ITANI, M. * SAKANOUE, M.
NEUTRON ACTIVATION ANALYSIS OF THORIUM IN NATURAL
WATERS.
J. NUCL. SCIENCE TECHNOLOGY (TOKYO), 3, 333-342
(AUGUST 1966), (ENGLISH), DEPARTMENT OF
CHEMISTRY, FACULTY OF SCIENCE, KANAZAWA
UNIVERSITY, MARUNOUCHI, KANAZAWA-SHI,
ISHIKAWA-KEN, JAPAN.

4303 MOUSTY, F. * FOUARGE, J. * DUYCKAERTS, G.
DETERMINATION OF TRACE SILVER IN HIGH-PURITY ZINC
BY NEUTRON ACTIVATION.
ANAL. CHIM. ACTA, 36, 478-488 (DECEMBER 1966),
(FRENCH) (ENGLISH AND GERMAN SUMMARIES),
LABORATOIRE DE CHIMIE NUCLEAIRE, INSTITUT DE CHIME
ET METALLURGIE, UNIVERSITE DE LIEGE, LIEGE,
BELGIUM.

4304 COLEMAN, R.F. * PIERCE, T.B.
ACTIVATION ANALYSIS, A REVIEW.
ANALYST, 92, 1-19 (JANUARY 1967), (ENGLISH),
ATOMIC WEAPONS RESEARCH ESTABLISHMENT, BERKS.,
ENGLAND.

4305 BRUNFELT, A.O. * STEINNES, E.
DETERMINATION OF SELENIUM IN STANDARD ROCKS BY
NEUTRON ACTIVATION ANALYSIS.
GEOCHIM. COSMOCHIM. ACTA, 31, 283-285 (FEB. 1967),
(ENGLISH). MINERALOGICAL-GEOLOGICAL MUSEUM,
UNIVERSITY OF OSLO, OSLO, NORWAY AND INSTITUTT FOR
ATOMENERGI, ISOTOPE LABORATORY, KJELLER, NORWAY.

4306 KUKULA, F. * MUDROVA, B. * KRIVANEK, M.
USE OF THENOYLTRIFULOROACETONE FOR THE
DETERMINATION OF MANGANESE BY ACTIVATION ANALYSIS.
TALANTA, 14, 233-237 (FEBRUARY 1967), (ENGLISH)
(FRENCH AND GERMAN SUMMARIES), NUCLEAR RESEARCH
INSTITUTE, CZECHOSLOVAK ACADEMY OF SCIENCES, REZ,
PRAGUE, CZECHOSLOVAKIA.

4307 CHOW, A. * BEAMISH, F.E.
AN EXPERIMENTAL EVALUATION OF NEUTRON ACTIVATION,
WET ASSAY AND FIRE ASSAY METHODS OF DETERMINING
GOLD IN ORES.
TALANTA, 14, 219-231 (FEBRUARY 1967), (ENGLISH)
(FRENCH AND GERMAN SUMMARIES), DEPARTMENT OF
CHEMISTRY, UNIVERSITY OF TORONTO, TORONTO, CANADA.

4308 LIHL, F. * PATEK, P. * SORANTIN, H.
USE OF NEUTRON ACTIVATION ANALYSIS FOR
DETERMINATION OF IMPURITIES IN PURE COPPER.
Z. ANAL. CHEM., 221, 176-186 (1966), (GERMAN)
(ENGLISH SUMMARY), INSTITUT FUR CHEMIE,
REAKTORZENTRUM SEIBERSDORF, AUSTRIA.

4309 LOEPFE, E. * MONNIER, D. * HAERDI, W.
RAPID ISOTOPIC SEPARATION METHODS FOR SELECTIVE DETECTION OF SHORT-LIVED RADIOISOTOPES.
Z. ANAL. CHEM., 221, 109-119 (1966), (GERMAN) (ENGLISH SUMMARY), LABORATOIRE DE CHIMIE ANALYTIQUE, ECOLE DE CHIMIE, GENF/SCHWEIZ.

4310 ALIMARIN, I.P. * PEREZHOGIN, G.A.
SUBSTOICHIOMETRIC SEPARATION IN ACTIVATION ANALYSIS, EXTRACTION OF COORDINATIVELY UNSOLVATED SALTS.
TALANTA, 14, 109-119 (1967), (ENGLISH) (GERMAN AND FRENCH SUMMARIES), V.I. VERNADSKY INSTITUTE OF GEOCHEMISTRY AND ANALYTICAL CHEMISTRY, ACADEMY OF SCIENCES, MOSCOW, RUSSIA.

4311 TERADA, K. * YOSHIMURA, Y. * OSAKI, S. * KIBA, T.
DETERMINATION OF RHENIUM IN MOLYBDENITE BY NEUTRON-ACTIVATION ANALYSIS.
TALANTA, 14, 53-60 (1967), (ENGLISH) (GERMAN AND FRENCH SUMMARIES). DEPARTMENT OF CHEMISTRY, FACULTY OF SCIENCE, KANAZAWA UNIVERSITY, KANAZAWA, JAPAN.

4312 BEAMISH, F.E. * CHUNG, K.S. * CHOW, A.
A CRITICAL REVIEW OF NEUTRON ACTIVATION AND TRACER METHODS FOR THE DETERMINATION OF THE NOBLE METALS.
TALANTA, 14, 1-32 (1967), (ENGLISH) (FRENCH AND GERMAN SUMMARIES). DEPARTMENT OF CHEMISTRY, UNIVERSITY OF TORONTO, TORONTO, CANADA.

4314 HEYDORN, K. * LUKENS, H.R.
PRE-IRRADIATION SEPARATION FOR THE DETERMINATION OF VANADIUM IN BLOOD SERUM BY REACTOR NEUTRON ACTIVATION ANALYSIS.
RISO-138, 20P., JUNE 1966. (ENGLISH), THE DANISH ATOMIC ENERGY COMMISSION, RESEARCH ESTABLISHMENT, RISO, DENMARK AND GENERAL ATOMIC, SAN DIEGO, CALIFORNIA.

4315 FOURCY, A.
SOME APPLICATIONS OF NEUTRON ACTIVATION ANALYSIS IN PLANT BIOLOGY AND AGRONOMY.
CEA-R-2967, 36P, JUNE 1966. (FRENCH) (ENGLISH SUMMARY). CENTRE D ETUDES NUCLEAIRES DE GRENOBLE, FRANCE.

4316 RAAEN, H.P.
ANALYTICAL CHEMISTRY DIVISION ANNUAL PROGRESS REPORT FOR PERIOD ENDING OCTOBER 31, 1966.
ORNL-4039, 168P., JANUARY 1967. (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE.

4317 OAK RIDGE NATIONAL LABORATORY
OAK RIDGE NATIONAL LABORATORY MASTER ANALYTICAL MANUAL.
TID-7015 (SUPPL. 9), 148P., MARCH 1967. (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE.

4318 BRUNE, D.
INVESTIGATIONS IN NEUTRON ACTIVATION ANALYSIS.
SVENSK KEM. TIDSKR., 78, NO. 6-7, 336-348 (1966). (ENGLISH). AB ATOMENERGI, STUDSVIK, NYKOPING, SWEDEN.

4319 ALIAN, A. * DESSOUKY, Y.M. * SHABANA, R.
TRACER AND RADIOACTIVATION STUDIES ON TARTAR EMETIC IMPURITIES.
J. PHARM. SCI., 55, 969-971 (SEPT. 1966). (ENGLISH). ATOMIC ENERGYY ESTABLISHMENTS, INSHAS AND FACULTY OF PHARMACY, CAIRO UNIVERSITY, CAIRO, EGYPT.

4320 BOWEN, H.J.M.
A STANDARD BIOLOGICAL MATERIAL FOR ELEMENTARY ANALYSIS.
PROC. SOC. ANAL. CHEM. CONF., NOTTINGHAM, ENGLAND, 25-31, 1965. (ENGLISH). CHEMISTRY DEPARTMENT, THE UNIVERSITY, READING, BERKS., ENGLAND.

4321 LYOYD, K.W.
THE DETERMINATION OF TELLURIUM IN GALLIUM ARSENIDE AND GERMANIUM BY NEUTRON ACTIVATION ANALYSIS.
PROC. SOC. ANAL. CHEM. CONF., NOTTINGHAM, ENGLAND, 180-186, 1965. (ENGLISH). MILLARD RESEARCH LABORATORIES, REDHILL, SURREY, ENGLAND.

4322 LLOYD, K.W. * MILLETT, E.J.
THE DETERMINATION OF RARE EARTHS IN SUBSTITUTED YTTRIUM IRON GARNETS BY NEUTRON ACTIVATION AND GAMMA-RAY SPECTROMETRY.
PROC. SOC. ANAL. CHEM. CONF., NOTTINGHAM, ENGLAND, 187-197, 1965. (ENGLISH). MULLARD RESEARCH LABORATORIES, REDHILL, SURREY, ENGLAND.

4323 SAMUELSSON, E,-G,
DETERMINATION OF TRACE ELEMENTS IN MILK AND MILK PRODUCTS BY MEANS OF NEUTRON ACTIVATION ANALYSIS, RADIOISOTOPES AND RADIATION IN DAIRY SCIENCE AND TECHNOLOGY. INTERNATIONAL ATOMIC ENERGY AGENCY, VIENNA, 221-237, 1966, (ENGLISH) (FRENCH,RUSSIAN AND SPANISH SUMMARIES), DAIRY DEPARTMENT, ALNARP, SWEDEN,

4325 SAUTIN, A, * TOUSSET, J,
VARIATION OF THE ISOTOPIC CONCENTRATION IN SEPARATED RARE EARTHS, THEIR ACTIVATION IN RADIOACTIVATION ANALYSIS OF THESE ELEMENTS, JOURNEE DE RADIOCHIMIE ANALYTIQUE, 1-10, 1965, (FRENCH), INSTITUT DE PHYSIQUE NUCLEAIRE DE LYON, FRANCE,

4326 SCHONFELD, E,
ALPHA M-AN IMPROVED COMPUTER PROGRAM FOR DETERMINING RADIOISOTOPES BY LEAST-SQUARES RESOLUTION OF THE GAMMA-RAY SPECTRA,
ORNL-3975, 44P, SEPT, 1966, (ENGLISH), OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE,

4327 DUNCAN, R,N,
STAINLESS STEEL FAILURE INVESTIGATION PROGRAM,
GEAP-5150, 42P, APR, 1966, (ENGLISH), GENERAL ELECTRIC, SAN JOSE, CALIFORNIA,

4328 ZUBER, K,
NEUTRON ACTIVATION ANALYSIS OF ROMAN COPPER COINS FROM 250-500 A,D, PART II,
CNAEM-35, 38P,, MAY 1966, (ENGLISH), P,K,I,, HAVA ALANI, ISTANBUL, TURKEY,

4329 REYNOLDS, L,M, * KESSLER, W,V, * CHRISTIAN, J,E, * ZIEMER, P,L,
USE OF ACTIVATION ANALYSIS IN PROBLEMS OF DRUG CONTROL,
J, PHARM, SCI,, 56, NO, 4, 437-443 (1967), (ENGLISH), BIONUCLEONICS DEPARTMENT, SCHOOL OF PHARMACY AND PHARMACAL SCIENCES, PURDUE UNIVERSITY, LAFAYETTE, INDIANA,

4347 YON, E, * KO, W,H, * KUPER, A,B,
SODIUM DISTRIBUTION IN THERMAL OXIDE ON SILICON BY RADIOCHEMICAL AND MOS ANALYSIS,
TRANS, ELECTRON, DEVICES, 13, 276-280 (FEBRUARY 1966), (ENGLISH), CASE INSTITUTE OF TECHNOLOGY, CLEVELAND, OHIO,

4374 SAKAMOTO, A.
MANGANESE AND HYDRALAZINE AS STUDIED BY NEUTRON ACTIVATION AND RADIOACTIVE MANGANESE.
PROC. SOC. EXPTL. BIOL. MED., 123, NO. 1, 146-148 (1966). (ENGLISH). VETERANS ADMINISTRATION HOSPITAL, NORTHPORT, LONG ISLAND, N.Y.

4376 DUNHAM, C.L.
ATOMIC ENERGY--ITS PRESENT DAY STATUS IN MEDICINE.
RHODE ISLAND MEDICAL J., 48, 359-362, 377 (JULY 1965). (ENGLISH). ATOMIC ENGERY COMMISSION, WASHINGTON, D.C.

4377 ROBERTSON, J.S.
COMPUTER APPLICATIONS IN NUCLEAR MEDICINE.
J. CHRON. DIS., 19, 443-459 (APRIL 1966). (ENGLISH). MEDICAL PHYSICS DIVISION, MEDICAL RESEARCH CENTER, BROOKHAVEN NATIONAL LABORATORY, UPTON, L.I., N.Y.

4380 COLEMAN, R.F. * CRIPPS, F.H. * STINISON, A. * SCOTT, H.D.
THE TRACE ELEMENT CONTENT OF HUMAN HEAD HAIR IN ENGLAND AND WALES AND THE APPLICATION TO FORENSIC SCIENCE.
ATOM, NO. 123, 12-22 (JANUARY 1967). (ENGLISH). A.W.R.E., ALDERMASTON, ENGLAND.

4381 ROBERTSON, D.E. * PERKINS, R.W.
TRACE ELEMENTS AND CS-137 IN SEA WATER BY GAMMA-RAY SPECTROMETRIC TECHNIQUES.
BNWL-SA-674, 10P., AUGUST 31, 1966. (ENGLISH). USA.

4386 PERSIANI, C. * SPIRA, J. * BASTIAN, R.
PHOTON-ACTIVATION ANALYSIS OF CAESIUM.
TALANTA, 14, NO. 5, 565-573 (1967). (ENGLISH) (GERMAN AND FRENCH SUMMARIES). REPUBLIC AVIATION CORP., FARMINGDALE, N.Y., AND MONTEFIORE HOSPITAL, BRONX, N.Y.

4388 GREENLAND, L.P.
DETERMINATION OF PHOSPHORUS IN SILICATE ROCKS BY NEUTRON ACTIVATION.
GEOLOGICAL SURVEY RESEARCH, 575-C, C137-C140 (1967). (ENGLSIH). WASHINGTON, D.C.

4391 KARALOVA, Z.K, * SHIBAEVA, N.P, * PYZHOBA, Z.I,
AN EXPRESS METHOD FOR SEPARATING IONIUM (TH-230) FROM SULFURIC ACID SOLUTIONS OF URANIUM,
J, ANALYTICAL CHEMISTRY, USSR, 21, 847-850 (1966), (ENGLISH TRANSLATION). RUSSIA,

4392 NARGOLWALLA, S,
A STUDY OF 14-MEV NEUTRON-INDUCED REACTIONS FOR ANALYSIS OF TRACE FLUORIDES,
THESIS, TORONTO, UNIV, OF TORONTO, 255P,, 1965, (ENGLISH). UNIVERSITY OF TORONTO, TORONTO, CANADA.

4393 COUCHOUD, S,
ANALYSIS OF RADIOACTIVE DECAY CURVES,
LYCEN-6642, 58P,, SEPTEMBER 1966, (FRENCH), LYON UNIVERSITY, FRANCE,

4394 CAHIER D INFORMATION DU BUREAU EURISOTOP
RADIOISOTOPES AND RADIATIONS IN INDUSTRY AND TECHNOLOGY, ECONOMIC AAND TECHNICAL ASPECTS,
CAHIER D INFORMATION DU BUREAU EURISOTOP 3, SERIE MONOGRAPHIES 1, BRUSSELS, BUREAU EURISOTOP-EURATOM, 96P,, 1965, (FRENCH), BUREAU EURISOTOP - EURATOM, BRUXELLES, BELGIUM,

4397 JURS, P,C, * ISENHOUR, T,L,
BINOMIAL DISTRIBUTION STATISTICS APPLIED TO MINIMIZING ACTIVATION COUNTING ERRORS,
ANAL, CHEM,, 39, NO, 12, 1386-1394 (OCTOBER 1967), (ENGLISH). DEPARTMENT OF CHEMISTRY, UNIVERSITY OF WASHINGTON, SEATTLE, WASHINGTON,

4406 PATEK, P. * SORANTIN, H,
DETERMINATION OF TRACE ELEMENTS IN CHROMATOGRAPHIC PAPER BY NEUTRON ACTIVATION AND GAMMA SPECTROMETRY,
ANAL, CHEM,, 39, NO,12, 1458-1459 (OCTOBER 1967), (ENGLISH), INSTITUTE OF CHEMISTRY, REACTOR CENTRE, SEIBERSDORF, AUSTRIA,

4410 EISNER, U, * ROTTSCHAFER, J,M, * BERLANDI, F,J, * MARK, H,B,, JR,
APPLICATIONS OF SEMIPERMEABLE ION EXCHANGE MEMBRANES TO TRACE ANALYSIS OF MATAL IONS BY ELECTROCHEMICAL AND NEUTRON ACTIVATION TECHNIQUES,
ANAL, CHEM,, 39, NO, 12, 1466-1468 (1967), (ENGLISH), DEPARTMENT OF CHEMISTRY, THE UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN,

4411 DAHMER, L.H.
CHROMATOGRAPHIC SEPARATIONS OF NIOBIUM, TANTALUM, MOLYBDENUM, AND TUNGSTEN,
IS-T-113, 79P., NOVEMBER 1966, (ENGLISH), IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY, AMES, IOWA,

4412 FISHMAN, M.J. * ROBINSON, B.P. * MIDGETT, M.R.
WATER ANALYSIS.
ANAL. CHEM., 39, NO. 5, 261R-294R (APRIL 1967), (ENGLISH). U.S. GEOLOGICAL SURVEY, DENVER, COLORADO.

4413 PASZTOR, L.C. * HINES, C.R.
FERROUS METALLURGY.
ANAL. CHEM., 39, NO. 5, 92R-102R (APRIL 1967), (ENGLISH). JONES AND LAUGHLIN CORP., GRAHAM RESEARCH LABORATORY, PITTSBURGH, PA.

5177 MOLLER, E. * STARFELT, N.
MICROANALYSIS OF FLUORINE IN ZIRCALOY BY THE USE OF THE F-19(P, ALPHA GAMMA)-16 REACTION,
NUCL. INSTRUM. METHODS, 50, 225-228 (1967), (ENGLISH). AB ATOMENERGI, STUDSVIK, NYKOPING, SWEDEN.

5238 MOLLER, E. * NILSSON, L. * STARFELT, N.
MICROANALYSIS OF LIGHT ELEMENTS BY MEANS OF (D, N) REACTIONS.
NUCL. INSTRUM. METHODS, 50, 270-276 (1967), (ENGLISH). AB ATOMENERGI, STUDSVIK, NYKOPING, SWEDEN.

5261 LEIMDORFER, M. * BOUGHNER, R.T.
MONTE CARLO STUDY OF A METHOD FOR LUNAR (SURFACE) ANALYSIS BASED ON SPECTROSCOPY OF GAMMA RAYS FOLLOWING 14-MEV PULSED-NEUTRON BOMBARDMENT,
NUCL. INSTRUM. METHODS, 50, 302-308 (1967), (ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE.

5262 AMIEL, S. * GILAT, J. * HEYMANN, D.
URANIUM CONTENT OF CHONDRITES BY THERMAL NEUTRON ACTIVATION AND DELAYED NEUTRON COUNTING,
GEOCHIM. COSMOCHIM. ACTA, 31, NO.9, 1499-1503 (1967), (ENGLISH). NUCLEAR CHEMISTRY DEPARTMENT, SOREQ NUCLEAR RESEARCH CENTRE, YAVNE, ISRAEL AND ENRICO FERMI INSTITUTE FOR NUCLEAR STUDIES, UNIVERSITY OF CHICAGO, CHICAGO, ILLINOIS.

5295 SORDIU, M, * CEREI, M,
NEW DEVELOPMENTS IN RADIOGENIC ARGON DETERMINATION
BY NEUTRON ACTIVATION ANALYSIS,
GEOCHIM, COSMOCHIN, ACTA, 31, NO, 8, 1271-1279
(1967), (ENGLISH), INSTITUTE FOR ATOMIC PHYSICS,
BUCHAREST, ROMANIA,

5307 GREENLAND, L,
THE ABUNDANCES OF SELENIUM, TELLURIUM, SILVER,
PALLADIUM, CADMIUM, AND ZINC IN CHONDRITIC
METEORITES,
GEOCHIM, COSMOCHIM, ACTA, 31, 849-860 (1967),
(ENGLISH), DEPARTMENT OF CHEMISTRY, UNIVERSITY OF
CALIFORNIA, SAN DIEGO, LA JOLLA, CALIF,

5308 OKA, Y, * KATO, T, * NAGAI, I,
ACTIVATION ANALYSIS OF SEVERAL MIXED RARE EARTH
ELEMENTS BY MEANS OF PHOTO NUCLEAR REACTION,
NIPPON KAGAKU ZASSHI, 88, NO, 8, 871-875 (1967),
(JAPANESE) (ENGLISHSUMMARY), DEPARTMENT OF
CHEMISTRY, FACULTY OF SCIENCE, TOHOKU UNIVERSITY,
SENDAI-SHI, JAPAN,

5311 OKA, Y, * KATO, T, * SAITO, T,
ACTIVATION ANALYSIS OF RUTHENIUM IN OSMIUM AND IN
RHODIUM BY MEANS OF PHOTO NUCLEAR REACTION,
NIPPON KAGAKU ZASSHI, 88, NO, 8, 866-871 (1967),
(JAPANESE) (ENGLISH SUMMARY), DEPARTMENT OF
CHEMISTRY, FACULTY OF SCIENCE, TOHOKU UNIVERSITY,
SENDAI-SHI, JAPAN,

5317 KARTASHEV, E,R, * NIKOLAENKO, O,K, *
DANILCHENKO, I,D, * GAMBARYAN, R,G, * SHTAN, A,S, *
BOBROV-EGOROV, N,N,
SOME CRITERIA OF THE SPEED OF NEUTRON-ACTIVATION
ANALYSIS,
SOVIET ATOMIC ENERGY, 22, NO, 1, 62-63 (JANUARY
1967), (ENGLISH TRANSLATION), RUSSIA,

5318 BUGORKOV, S,S, * KRIVOKHATSKII, A,S, *
PETRZHAK, K,A, * SKOVORODKIN, N,V, * SOROKINA, A,V,
ON THE MEASUREMENT OF THERMAL-NEUTRON FLUXES AND
CADMIUM RATIOS FROM THE ACTIVATION OF GOLD,
SOVIET ATOMIC ENERGY, 21, NO, 6, 1215-1217
(DECEMBER 1966), (ENGLISH TRANSLATION), RUSSIA

5319 MAZYUKEVICH, N.P. * SHKODA-ULYANOV, V.A.
POSSIBILITIES OF THE PHOTONEUTRON METHOD FOR
DETERMINING HYDROGEN IN HEAVY METALS,
SOVIET ATOMIC ENERGY, 21, NO. 5, 1069-1070
(NOVEMBER 1966), (ENGLISH TRANSLATION), RUSSIA.

5320 LOBANOV, E.M. * YANKOVSKII, A.V.
RADIOACTIVATION DETERMINATION OF BISMUTH IN
MINERAL RAW MATERIAL,
J. ANAL. CHEM., USSR, 21, NO.12, 1264-1266
(DECEMBER 1966), (ENGLISH TRANSLATION),
INSTITUTE OF NUCLEAR PHYSICS, ACADEMY OF SCIENCES
OF THE UZBSSR, TASHKENT.

5321 ANDREEV, A.V. * BARIT, I.Y. * MUSAELYAN, R.M. *
PRONMAN, I.M.
DETERMINATION OF OXYGEN IN MOLYBDENUM BY
ACTIVATION WITH FAST NEUTRONS,
J. ANAL. CHEM., USSR, 21, NO. 12, 1292-1295
(DECEMBER 1966), (ENGLISH TRANSLATION), RUSSIA.

5322 VOLBORTH, A.
HARD, SOFT, AND ULTRASOFT X RADIATIONS COMBINED
WITH FAST-NEUTRON ACTIVATION, APPLIED TO THE TOTAL
ANALYSIS OF ROCKS.
MATERIALS SCIENCE AND TECHNOLOGY FOR ADVANCED
APPLICATIONS. GOLDEN GATE METALS CONF., FEB.
13-15, 1964, AMERICAN SOCIETY OF METALS,
BERKELEY, CALIFORNIA, VOL. II, 117-142, 1964,
(ENGLISH). UNIVERSITY OF NEVADA.

5323 LEE, N.K. * LIN, S.C. * CHIEN, J.P. * LEE, Y.H.
ORE ANALYSIS FOR THORIUM AND URANIUM BY DELAYED
NEUTRONS.
HO TSU K O HSUEH, 5, NO. 1-2, 23-28 (DEC. 1966).
(ENGLISH) (CHINESE SUMMARY). NATIONAL TSING HUA
UNIVERSITY.

5325 PLAKSIN, I.N. * MALYSHEVA, N.G. * STARCHIK, L.P.
USE OF NUCLEAR (N, GAMMA) REACTION IN DETERMINING
CADIUM CONTENT,
DOKL. AKAD. NAUK SSSR, 171, 393-394 (NOVEMBER 11,
1966), (RUSSIAN). INSTITUTE OF MINING, MOSCOW,
RUSSIA.

5326 NAGY, L.G, * MESTER, Z, * TAKACS, G,
NEUTRON ACTIVATION ANALYSIS OF METAL TRACE
IMPURITES IN ASCORBIC ACID,
MAGYAR KEM, FOLY,, 73, 137-138 (MARCH 1967),
(HUNGARIAN) (ENGLISH SUMMARY), BUDAPESTI MUSZAKI
EGYETEM FIZIKAI-KEMIAI TANSZEKE, HUNGARY,

5327 TOMIZAWA, C, * KOBAYASHI, A, * SHIBUYA, M, *
KOSHIMIZU, Y, * OOTA, Y,
STUDIES ON RESIDUE ANALYSIS OF PESTICIDES IN PLANT
MATERIALS, II, NEUTRON ACTIVATION ANALYSIS OF
MERCURY IN RICE GRAINS,
SHOKUHIN EISEIGAKU ZASSHI, 7, 33-38 (FEBRUARY
1966), (JAPANESE) (ENGLISH SUMMARY), NATIONAL
INSTITUTE OF AGRICULTURAL SCIENCES, NISHIGAHARA,
KITA-KU, TOKYO AND TOHOKU AGRICULTURAL EXPERIMENT
STATION, HANADATE, OOMAGARI, AKITA, JAPAN,

5328 NISHIMURA, S, * HATUDA, Z, * ASAYAMA, T,
A TRIAL METHOD OF DETERMINING URANIUM AND THORIUM
CONTENT IN ROCKS BY THE RADIOACTIVE MEASUREMENTS,
RADIOISOTOPES (TOKYO), 16, 156-160 (APRIL 1967),
(JAPANESE) (ENGLISH SUMMARY), DEPARTMENT OF
GEOLOGICAL SCIENCES, UNIVERSITY OF OSAKA
PREFECTURE AND GEOLOGICAL AND MINERALOGICAL
INSTITUTE, UNIVERSITY OF KYOTO, JAPAN,

5330 LOS ALAMOS SCIENTIFIC LABORATORY
ADVANCED REACTOR TECHNOLOGY (ART),
LA-3708(PT,1), 18P,, MAY 1967, (ENGLISH), LOS
ALAMOS SCIENTIFIC LABORATORY OF THE UNIVERSITY OF
CALIFORNIA, LOS ALAMOS, NEW MEXICO,

5332 MOUND LABORATORY
MOUND LABORATORY QUARTERLY PROGRESS REPORT,
JULY-SEPTEMBER 1966,
MLM-1388, 35P,, SEPTEMBER 30, 1966, (ENGLISH),
MOUND LABORATORY, MIAMISBURG, OHIO,

5335 MUDROVA, B, * KUKULA, F,
SUBSTOICHIOMETRIC DETERMINATION OF MANGANESE IN
THE REAGENTS AND IN THE TARGET MATERIAL IN MN-52
PRODUCTION BY ACTIVATION ANALYSIS,
ISOTOPENPRAXIS, 3, 51-53 (FEBRUARY 1967),
(GERMAN), INSTITUT FUR KERNFORSCHUNG DER
TSCHECHOSLOWAKISCHEN AKADEMIE DER WISSENSCHAFTEN,
REZ BEI PRAG, CZECHOSLOVAKIA,

5336 ARTYUKHIN, P.I. * GILBERT, E.N. * PRONIN, V.A.
DETERMINATION OF IMPURITIES IN IRON BY NEUTRON ACTIVATION.
J. ANAL. CHEM. USSR, 22, NO. 1, 92-94 (JANUARY 1967). (ENGLISH TRANSLATION). INSTITUTE OF INORGANIC CHEMISTRY, ACADEMY OF SCIENCES OF THE USSR, SIBERIAN BRANCH, NOVOSIBIRSK.

5338 CRAM, S.P. * BROWNLEE, J.L., JR.
AUTOMATED, HIGH SPEED CHROMATOGRAPHIC SEPARATIONS IN THE ACTIVATION ANALYSIS OF SHORT-LIVED ISOTOPES.
CONF-660611-10. 5TH NATIONAL MEETING, SOCIETY FOR APPLIED SPECTROSCOPY, CHICAGO, ILLINOIS, 23P., JUNE 13-17, 1966. (ENGLISH). DEPARTMENT OF CHEMISTRY AND CHEMICAL ENGINEERING, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS.

5339 BURNS, F.C. * PRIEST, G.L. * PRIEST, H.F.
ACTIVATION ANALYSIS OF NON-UNIFORM SAMPLES OF COMPOSITION USING A 14-MEV NEUTRON GENERATOR.
CONF-660611-9. 5TH NATIONAL MEETING, SOCIETY FOR APPLIED SPECTROSCOPY, CHICAGO, ILLINOIS, 18P., JUNE-13-17, 1966. (ENGLISH). U.S. ARMY MATERIALS RESEARCH AGENCY, WATERTOWN, MASS.

5341 STERLINSKI, S. * DYBCZYNSKI, R.
THE DETERMINATION OF CAESIUM TRACES IN MINERAL SALTS BY MEANS OF NEUTRON ACTIVATION-ION EXCHANGE CHROMATOGRAPHY METHOD.
NUKLEONIKA, 11, 533-553 (1966). (ENGLISH) (POLISH AND RUSSIAN SUMMARIES). DEPARTMENT OF ANALYTICAL CHEMISTRY, INSTITUTE OF NUCLEAR RESEARCH, WARSZAWA, POLAND.

5342 HEADRIDGE, J.B. * PIERCE, T.B. * ANDERSON, D.M.W.
ANALYTICAL CHEMISTRY.
ANN. REP. PROGR. CHEM., CHEM. SOC. LONDON, 62, 511-546 (1965). (ENGLISH). ANALYTICAL CHEMISTRY GROUP, AERE HARWELL, AND D.M.W.A., DEPARTMENT OF CHEMISTRY, UNIVERSITY OF EDINBURGH, EDINBURGH, SCOTLAND.

5343 SCHMITT, R.A.
ABUNDANCES OF TRACE ELEMENTS NA, SC, CR, MN, FE, CO, AND CU IN CHONDRULES AND METEORITES, IN METEORITES AND TERRESTRIAL MATTER, AND U IN TYPE 1 CARBONACEOUS CHONDRITES. (QUARTERLY PROGRESS REPORT, MARCH 1-JUNE 15, 1966.)
N-66-36063. 41P, JULY 15, 1966. (ENGLISH). GENERAL ATOMIC, SAN DIEGO, CALIF.

5344 BIANCHINI, A, * LANFRANCO, G,
PURITY CONTROL OF SIX-NINE LEAD BY NEUTRON
ACTIVATION ANALYSIS, PART I, DETERMINATION OF
GOLD, SILVER, ARSENIC, GERMANIUM, ANTIMONY, TIN
AND BISMUTH,
CHIM, IND, (MILAN), 48, NO, 8, 816-823 (AUGUST
1966), (ITALIAN), CENTRO RICERCHE METALLURGICHE
S.P.A., TORINO, ITALY,

5345 BIANCHINI, A, * LANFRANCO, G,
PURITY CONTROL OF SIX-NINE LEAD BY NEUTRON
ACTIVATION ANALYSIS, PART II, DETERMINATION OF
COPPER, CADMIUM, COLBALT, IRON, GALLIUM,
INDIUM,NICKEL AND ZINC,
CHIM, IND, (MILAN), 48, NO, 8, 823-828 (AUGUST
1966), (ITALIAN), CENTRO RICERCHE METALLURGICHE
S,P,A,, TORINO, ITALY,

5347 HUNT, L,P,
NEUTRON ACTIVATION ANALYSIS OF TRACE RARE EARTHS
IN HOLMIUM OXIDE,
IS-T-120, 70P,, FEB, 1967, (ENGLISH), AMES
LABORATORY, IOWA STATE UNIVERSITY, AMES, IOWA,

5348 FODOR-CSANYI, P, * GALLYAS, M,
SIMULTANEOUS QUANTITATIVE DETERMINATION OF TWO
GAMMA-RADIATING ISOTOPES WITH A SINGLE-CHANNEL
PULSE HEIGHT ANALYZER,
ACTA CHIM, ACAD, SCI, HUNG,, 49, 225-241 (1966),
(ENGLISH) (GERMAN AND RUSSIAN SUMMARIES),
ELECTROCHEMISTRY RESEARCH GROUP OF THE HUNGARIAN
ACADEMY OF SCIENCES, BUDAPEST, HUNGARY,

5349 DAMS, R, * HOSTE, J,
DETERMINATION OF ARSENIC IN ANTIMONY-IRON MATRICES
BY ACTIVATION ANALYSIS,
ACTA CHIM, ACAD, SCI, HUNG,, 50, 111-118 (1966),
(ENGLISH), INSTITUTE FOR NUCLEAR SCIENCES, GHENT
UNIVERSITY, BELGIUM,

5350 PINK, H,
THE DETERMINATION OF CHROMIUM DISTRIBUTION IN
LASER-RUBIES WITH NEUTRON ACTIVATION,
PHYS, STATUS SOLIDI, 21, NO, 2, K111-K113 (1967),
(ENGLISH), FORSCHUNGSLABORATORIUM MUNCHEN DER
SIEMENS AKTIENGESELLSCHAFT, GERMANY,

5353 VOLBORTH, A.
PRECISE AND ACCURATE OXYGEN DETERMINATION BY
FAST-NEUTRON ACTIVATION,
FORTSCHR. MINERAL., 43, 10-21 (APRIL 1966),
(ENGLISH). UNIVERSITY OF NEVADA, RENO, NEVADA.

5356 PROKOPCHIK, V.I. * SUBBOTINA, T.I.
FLUORITE ACTIVATION ANALYSIS ASSAY IN ORE SAMPLES
AND IN ORE BENEFICIATION PRODUCTS.
SOVIET ATOMIC ENERGY, 21, NO. 5, 1108-1109 (1966),
(ENGLISH TRANSLATION). RUSSIA.

5357 RUSHIZKY, G.W. * MILLER, W.W.
ACTIVATION ANALYSIS OF MONO- AND OLIGONUCLEOTIDES,
ANAL. BIOCHEM., 20, NO. 1, 181-191 (1967),
(ENGLISH). LABORATORY OF BIOCHEMISTRY, NATIONAL
CANCER INSTITUTE, NIH, BETHESDA, MARYLAND AND
DEPARTMENT OF CHEMISTRY, THE PENNSYLVANIA STATE
UNIVERSITY, UNIVERSITY PARK, PA.

5358 ATALLA, L.T. * SILVA, C.M. * LIMA, F.W.
ACTIVATION ANALYSIS OF ARSENIC IN HUMAN HAIR--SOME
OBSERVATIONS ON THE PROBLEM OF EXTERNAL
CONTAMINATION,
ANAIS ACAD. BRASIL. CIENC., 37, NO. 3-4, 433-441
(1965). (ENGLISH) (SPANISH SUMMARY). INSTITUTO
DE ENERGIA ATOMICA, DIVISAO DE RADIOQUIMICA, SAO
PAULO, SP.

5359 HOGDAHL, O.
DISTRIBUTION OF THE RARE EARTH ELEMENTS IN SEA
WATER.
NATO RESEARCH GRANT NO. 203 SEMIANNUAL PROGRESS
REPORT NO. 4. OCTOBER 1, 1966 TO MARCH 31, 1967.
34P., 11 FIGURES, APRIL 29, 1967. (ENGLISH).
OSLO, BLINDERN, NORWAY.

5361 YAMAMOTO, S.
LEAST SQUARES ANALYSIS OF TIME-DEPENDENT GAMMA-RAY
PULSE HEIGHT SPECTRA,
USNRDL-TR-67-3, 27P., OCT. 11, 1966. (ENGLISH).
U.S. NAVAL RADIOLOGICAL DEFENSE LABORATORY, SAN
FRANCISCO, CALIF.

5362 KERNFORSCHUNGSANLAGE, JULICH, WEST GERMANY
REPORT FOR THE YEAR 1965,
NP-16420, 192P., 1965, (GERMAN).
KERNFORSCHUNGSANLAGE JULICH DES LANDES
NORDRHEIN-WESTFALEN E.V., GERMANY.

5363 GIJBELS, R. * HOSTE, J.
THE DETERMINATION OF TRACES OF IRIDIUM IN RHODIUM
BY NEUTRON ACTIVATION ANALYSIS.
ANAL. CHIM. ACTA, 39, NO. 1, 89-93 (1967),
(ENGLISH) (FRENCH AND GERMAN SUMMARIES), INSTITUE
FOR NUCLEAR SCIENCES, GHENT UNIVERSITY, GHENT,
BELGIUM.

5364 GIJBELS, R. * HOSTE, J.
NEUTRON ACTIVATION ANALYSIS FOR GOLD IN OSMIUM.
ANAL. CHIM. ACTA, 39, NO. 1, 132-135 (1967),
(ENGLISH). INSTITUTE FOR NUCLEAR SCIENCES, GHENT
UNIVERSITY, GHENT, BELGIUM.

5365 WASSON, J.T.
THE CHEMICAL CLASSIFICATION OF IRON METEORITES.
I. A STUDY OF IRON METEORITES WITH LOW
CONCENTRATIONS OF GALLIUM AND GERMANIUM.
GEOCHIM. COSMOCHIM. ACTA, 31, 161-180 (FEB. 1967),
(ENGLISH). DEPARTMENT OF CHEMISTRY AND INSTITUE
OF GEOPHYSICS AND PLANETARY PHYSICS, UNIVERSITY OF
CALIFORNIA, LOS ANGELES, CALIF.

5366 STEINNES, E.
DETERMINATION OF TRACES OF SELENIUM IN BIOLOGICAL
TISSUE BY NEUTRON ACTIVATION.
INTERN. J. APPL. RADIATION ISOTOPES, 18, NO. 10,
731-734 (1967), (ENGLISH). INSTITUTT FOR
ATOMENERGI, ISOTOPE LABORATORIES, KJELLER, NORWAY.

5368 ABDEL-RASSOUL, A.A. * WAHBA, S.S.
PURITY CONTROL OF URANIUM BY NEUTRON ACTIVATION
ASSAY--II. DETERMINATION OF MANGANESE, NICKEL AND
COPPER.
TALANTA, 14, NO. 9, 1061-1067 (1967), (ENGLISH)
(GERMAN AND FRENCH SUMMARIES), NUCLEAR CHEMISTRY
DEPARTMENT, ATOMIC ENERGY ESTABLISHMENT, CAIRO,
U.A.R.

5369 ALIAN, A. * HAGGAG, A.
NEUTRON ACTIVATION ANALYSIS BY STANDARD ADDITION
AND SOLVENT EXTRACTION. DETERMINATION OF
IMPURITIES IN ALUMINUM.
TALANTA, 14, NO. 9, 1109-1119 (1967), (ENGLISH)
(GERMAN AND FRENCH SUMMARIES), NUCLEAR CHEMISTRY
DEPARTMENT, ATOMIC ENERGY ESTABLISHMENT, INSHAS,
U.A.R.

5370 STEINNES, E.
INSTRUMENTAL ACTIVATION ANALYSIS OF VEGETABLE TISSUE.
TALANTA, 14, NO, 7, 753-758 (1967), (ENGLISH) (GERMAN AND FRENCH SUMMARIES), ISOTOPE LABORATORY, INSTITUTT FOR ATOMENERGI, KJELLER, NORWAY.

5372 PIERCE, T.B. * PECK, P.F. * CUFF, D.R.A.
ANALYTICAL APPLICATIONS OF A 0.5-MEV COCKCROFT-WALTON SET BASED ON THE MEASUREMENT OF PROMPT GAMMA-RADIATION. GAMMA-RADIATION EMITTED DURING PROTON REACTIONS.
ANALYST, 92, 143-150 (MARCH 1967). (ENGLISH), ANALYTICAL CHEMISTRY GROUP, ATOMIC ENERGY RESEARCH ESTABLISHMENT, HARWELL, DIDCOT, BERKSHIRE, ENGLAND.

5376 PESTANER, J.F. * LOVE, D.L.
A COMPUTER PROGRAM FOR IDENTIFYING AND MEASURING COMPONENTS IN A MIXTURE OF GAMMA-EMITTING RADIONUCLIDES.
USNRDL-TR-67-46, 48P., MARCH 1, 1967, (ENGLISH), U.S. NAVAL RADIOLOGICAL DEFENSE LABORATORY, SAN FRANCISCO, CALIF.

5378 ESPANOL, C.E. * MARAFUSCHI, A.M.
APPLICATION OF REVERSED PHASE COLUMN CHROMATOGRAPHY TO THE DETERMINATION OF TUNGSTEN IN STAINLESS STEELS BY ACTIVATION ANALYSIS.
J. CHROMATOGR., 29, NO. 1, 311-315 (1967), (ENGLISH), LABORATORIO DE RADIOISOTOPOS, FACULTAD DE INGENIERIA, UNIVERSIDAD DE BUENOS AIRES, ARGENTINA.

5379 OKA, Y. * KATO, T. * NOMURA, K. * SAITO, T.
THE YIELDS OF RADIOACTIVITIES INDUCED BY (GAMMA, N) REACTIONS WITH 20 MEV BREMSSTRAHLUNG.
BULL. CHEM. SOC. JAPAN, 40, 575-579 (MARCH 1967), (ENGLISH), DEPARTMENT OF CHEMISTRY, FACULTY OF SCIENCE, TOHOKU UNIVERSITY, KATAHIRA-CHO, SENDAI, JAPAN.

5380 FUJII, I. * MUTO, H.
A DIRECT READ-OUT SYSTEM FOR FAST NEUTRON ACTIVATION ANALYSIS FOR OXYGEN IN STEELS.
ANAL. CHIM. ACTA, 39, NO. 3, 329-333 (1967), (ENGLISH) (FRENCH AND GERMAN SUMMARIES), CENTRAL RESEARCH LABORATORY, TOKYO SHIBAURA ELECTRIC CO., LTD., KOMUKAI, KAWASAKI, JAPAN.

5381 DE BOECK, R. * ADAMS, F. * HOSTE, J.
INTERFERENCE FROM NATURAL RADIOACTIVITY IN NEUTRON ACTIVATION ANALYSIS FOR BISMUTH IN LEAD.
ANAL. CHIM. ACTA, 39, NO. 2, 270-272 (1967).
(ENGLISH). INSTITUTE FOR NUCLEAR SCIENCES, GHENT UNIVERSITY, GHENT, BELGIUM.

5382 SAMUELSSON, E.-G.
DETERMINATION OF TRACE AMOUNTS OF COPPER IN MILK BY NEUTRON ACTIVATION ANALYSIS.
MILCHWISSENSCHAFT, 21, 31-35, (JAN. 1966).
(ENGLISH) (GERMAN SUMMARY). DAIRY DEPARTMENT, ALNARP, SWEDEN.

5383 D AGOSTINO, M.D. * KUEHNE, F.J.
THE USE OF A SIMPLIFIED NEUTRON ACTIVATION TECHNIQUE FOR ANALYZING METALLIC WEAR FROM AIRCRAFT HYDRAULIC SYSTEMS.
RADIOISOTOPES FOR AEROSPACE. DEMPSEY, J.C., POLISHUK, P. (EDITORS). NEW YORK, PLENUM PRESS, PART I, 346-379, 1966. (ENGLISH). GRUMMAN AIRCRAFT ENGINEERING CORPORATION, BETHPAGE, N.Y.

5384 WAGGONER, J.A. * KNOX, R.J.
ELEMENTAL ANALYSIS USING NEUTRON INELASTIC SCATTERING.
RADIOISOTOPES FOR AEROSPACE. DEMPSEY, J.C., POLISHUK, P. (EDITORS). NEW YORK, PLENUM PRESS, PART 2, 270-291, 1966. (ENGLISH). LAWRENCE RADIATION LABORATORY, LIVERMORE, CALIF.

5385 ADAMS, F. * HOSTE, J.
ACTIVATION ANALYSIS OF TUNGSTEN AND ARSENIC IN VANADIUM PENTA OXIDE BY COINCIDENCE SPECTROMETRY.
ACTA CHIM. ACAD. SCI. HUNG., 52, NO. 2, 115-122 (1967). (ENGLISH). GHENT UNIVERSITY, BELGIUM.

5386 ASAI, T. * MEREN, E. * IWAI, M. * SATO, Y. * AZUMA, T.
(N,GAMMA) ANALYSIS OF HUMAN BLOOD AND HAIR.
ANN. REP. RADIAT. CENTER OSAKA PERFECT., 6, 111-114 (1965). (ENGLISH) (JAPANESE SUMMARY). JAPAN.

5387 LOWMAN, F.G.
APPLICATIONS OF NUCLEAR SPECTROSCOPY.
I CONFERENCIA DE ESPECTROSCOPIA NUCLEAR Y FISICA DEL ESTADO SOLIDO, 49-52 (1964). (ENGLISH).
PUERTO RICO NUCLEAR CENTER, MAYAGUEZ, PUERTO RICO.

5389 SCHOLES, P.H.
FAST-NEUTRON REACTORS AND THEIR POSSIBLE APPLICATION TO THE ACTIVATION ANALYSIS OF STEELWORKS MATERIAL,
MG/D-329/65, 16P., NOVEMBER 1965, (ENGLISH), METALLURGY DIVISION, CHEMICAL ANALYSIS COMMITTEE, SHEFFIELD, ENGLAND.

5390 COLEMAN, R.F. * CRIPPS, F.H. * STIMSON, A. * SCOTT, H.D.
THE DETERMINATION OF TRACE ELEMENTS IN HUMAN HAIR BY NEUTRON ACTIVATION AND THE APPLICATION TO FORENSIC SCIENCE.
AWRE-0-86, 37P., JANUARY 1967, (ENGLISH), ATOMIC WEAPONS RESEARCH ESTABLISHMENT, ALDERMASTON, ENGLAND.

5393 KATAKURA, Y.
NEUTRON ACTIVATION ANALYSIS OF COLLOIDAL GOLD IN BIOLOGICAL MATERIAL, STUDIES ON COMPARISON BETWEEN THE DISTRIBUTION OF RADIOACTIVE COLLOIDAL GOLD AU-198 AND THAT OF NON-RADIOACTIVE COLLOIDAL GOLD.
NIPPON IGAKU HOSHASEN GAKKAI ZASSHI, 24, 485-492 (AUGUST 1964), (JAPANESE) (ENGLISH SUMMARY), THE RESEARCH INSTITUTE FOR TUBERCULOSIS, LEPROSY AND CANCER, TOHOKU UNIVERSITY, SENDAI, JAPAN.

5394 SCOTT, W.L.
SILVER UPTAKE IN BRAINS OF CHRONICALLY GAMMA-IRRADIATED RATS. A STUDY BY NEUTRON ACTIVATION ANALYSIS.
RADIATION RESEARCH, 31, NO. 3, 522-528 (1967), (ENGLISH). TEXAS A AND M UNIVERSITY, RADIATION BIOLOGY LABORATORY, COLLEGE STATION, TEXAS.

5395 SHAW, D.C.
NEUTRON ACTIVATION AS A MEANS OF DETECTING PHOSPHORYL PEPTIDES.
NATURE, 215, NO. 5099, 410-411 (1967), (ENGLISH). DEPARTMENT OF BIOCHEMISTRY, JOHN CURTIN SCHOOL OF MEDICAL RESEARCH, AUSTRALIAN NATIONAL UNIVERSITY, CANBERRA, AUSTRALIA.

5397 WINCHESTER, J.W. * DUCE, R.A.
THE GLOBAL DISTRIBUTION OF IODINE, BROMINE, AND CHLORINE IN MARINE AEROSOLS.
NATURWISSENSCHAFTEN, 54, 110-113 (MARCH 1967), (ENGLISH). MASSACHUSETTS INSTITUTE OF TECHNOLOGY, DEPARTMENT OF GEOLOGY AND GEOPHYSICS, CAMBRIDGE, MASS.

5398 OP DE BEECK, J. * HOSTE, J.
THE DETERMINATION OF COPPER AND BISMUTH IN HIGH PURITY LEAD METAL BY NEUTRON ACTIVATION ANALYSIS.
ACTA CHIM. ACAD. SCI. HUNG., 53, NO. 2, 137-144 (1967). (ENGLISH). INSTITUTE FOR NUCLEAR SCIENCE, GHENT UNIVERSITY, GHENT, BELGIUM.

5399 NAGY, L.G.
NON-DESTRUCTIVE AND DESTRUCTIVE NEUTRON ACTIVATION ANALYSIS OF THE IMPURITIES OF SILICON OF SEMICONDUCTOR PURITY.
ACTA CHIM. ACAD. SCI. HUNG., 52, NO. 4, 365-374 (1967). (ENGLISH). INSTITUTE OF PHYSICAL CHEMISTRY, POLYTECHNICAL UNIVERSITY, BUDAPEST, HUNGARY.

5401 COLEMAN, R.F.
NUCLEAR TECHNIQUES IN FORENSIC SCIENCE.
J. BRIT. NUCL. ENERGY SOC., 6, 134-138 (APRIL 1967). (ENGLISH). ATOMIC WEAPONS RESEARCH ESTABLISHMENT, ALDERMASTON, ENGLAND.

5402 BUCK, T.M. * ALLEN, F.G. * DALTON, J.V. * STRUTHERS, J.D.
STUDIES OF SODIUM IN SIO SUB 2 FILMS BY NEUTRON ACTIVATION AND RADIOTRACER TECHNIQUES.
J. ELECTROCHEM. SOC., 114, NO. 8, 862-866 (1967). (ENGLISH). BELL TELEPHONE LABORATORIES, INC., MURRAY HILL, N.J.

5403 DALY, P.J. * HOFSTETTER, K.J. * SCHMIDT-BLEEK, F.
DETERMINATION OF COPPER IN ALLOYS BY FAST NEUTRON ACTIVATION.
J. CHEM. EDUC., 44, NO. 7, 412-413 (1967). (ENGLISH). PURDUE UNIVERSITY, LAFAYETTE, INDIANA.

5405 FLIKKE, M. * STEINNES, E.
DETERMINATION OF BASE RATIOS IN SMALL SAMPLES OF RIBONUCLEIC ACID BY NEUTRON ACTIVATION PAPER CHROMATOGRAPHIC ANALYSIS.
ARCH. BIOCHEM. BIOPHYS., 118, 82-84 (JAN. 1967). (ENGLISH). VIRUS DEPARTMENT A, NATIONAL INSTITUTE OF PUBLIC HEALTH, GEITMYRSVEIN, OSLO AND INSTITUTT FOR ATOMENERGI, KJELLER, NORWAY.

5406 HENDERSON, P.
THE DETERMINATION OF PHOSPHORUS IN ROCKS AND MINERALS BY ACTIVATION ANALYSIS.
ANAL. CHIM. ACTA, 39, NO. 4, 512-515 (1967). (ENGLISH). DEPARTMENT OF GEOLOGY AND MINERALOGY, UNIVERSITY OF OXFORD, OXFORD, ENGLAND.

5407 SMATHERS, J.B, * DUFFEY, D, * LAKSHMANAN, S,
SURVEY OF CHROMATOGRAPHIC PAPERS FOR INTERFERING
NUCLIDES IN ACTIVATION ANALYSIS,
ANAL, CHIM, ACTA, 39, NO, 4, 529-532 (1967),
(ENGLISH), WALTER REED ARMY INSTITUTE OF
RESEARCH, WASHINGTON, D.C., AND UNIVERSTIY OF
MARYLAND, COLLEGE PARK, MARYLAND,

5408 ARMIJO, J.S. * ROSENBAUM, H.S,
BORON DETECTION IN METALS BY ALPHA-PARTICLE
TRACKING.
J. APPL. PHYS., 38, 2064-2069 (APRIL 1967).
(ENGLISH). GENERAL ELECTRIC COMPANY, VALLECITOS
NUCLEAR CENTER, NUCLEONICS LABORATORY, PLEASANTON,
CALIF.

5409 GIBBONS, D. * OLIVE, G. * SEVIER, P. *
DEUTSCHMAN, J,E.
DETERMINATION OF THE OXYGEN CONTENT OF ALUMINIUM
BY 14 MEV-NEUTRON RADIOACTIVATION ANALYSIS.
J. INST. METALS, 95, NO. 9, 280-283 (1967).
(ENGLISH). WANTAGE RESEARCH LABORATORY, AERE,
WANTAGE, BERKS., ALUMINIUM LABORATORIES, LTD.,
BANBURY, OXON., ENGLAND AND ALUMINUM COMPANY OF
CANADA, ARVIDA, QUEBEC, CANADA,

5410 TURKSTRA, J. * TOERIEN, P.V.S. * DE WET, W.J.
DETERMINATION OF VANADIUM IN SODIUM CHLORIDE BY
NEUTRON ACTIVATION ANALYSIS,
J. S. AFR. CHEM. INST., 20, NO. 2, 200-203 (1967),
(AFRIKAAN) (ENGLISH SUMMARY), AFELING CHEMIE,
NASIONALE KERNNAVORSINGSENTRUM, PELINDABA, SOUTH
AFRICA.

5411 SMALES, A.A.
ANALYSIS OF PURE MATERIALS--SOME GENERAL COMMENTS,
J. MATER. SCI., 1, 302-307 (AUG. 1966).
(ENGLISH). ANALYTICAL CHEMISTRY BRANCH, AERE,
HARWELL, BERKS., ENGLAND,

5414 MASSACHUSETTS INSTITUTE OF TECHNOLOGY
INSTRUMENTATION TECHNIQUES AND NUCLEAR
GEOCHEMISTRY.
MIT-952-3, 349-403, UNDATED, (ENGLISH).
MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE,
MASS.

5415 GRIMANIS, A.P. * SOULIOTIS, A.G.
RAPID DETERMINATION OF ARSENIC IN COPPER AND BRASS
BY NEUTRON ACTIVATION ANALYSIS.
ANALYST (LONDON), 92, NO. 1098, 549-552 (1967).
(ENGLISH). CHEMISTRY DEPARTMENT, NUCLEAR RESEARCH
CENTER, DEMOCRITOS, ATHENS, GREECE.

5416 SARDI, A. * TOMCSANYI, A.
FAST NEUTRON ACTIVATION ANALYSIS OF SILICON IN
SPUTUM.
ANALYST (LONDON), 92, NO. 1097, 529-531 (1967).
(ENGLISH). CENTRALL RESEARCH INSTITUTE OF PHYSICS
AND NATIONAL INSTITUTE FOR TUBERCOLOSIS, BUDAPEST,
HUNGARY.

5417 HOLM, D.M. * SANDERS, W.M.
INTERFERENCE REDUCTION AND SENSITIVITY IMPROVEMENT
IN ACTIVATION ANALYSIS.
NUCL. APPL., 3, 308-313 (MAY 1967). (ENGLISH).
LOS ALAMOS SCIENTIFIC LABORATORY, LOS ALAMOS, NEW
MEXICO.

5420 RISON, M.H. * BARBER, W.H. * WILKNISS, P.E.
FAST NEUTRON ACTIVATION FOR NITROGEN IN EXPLOSIVES
AND PROPELLANTS.
RADIOCHIM. ACTA, 7, NO. 4, 196-198 (1967).
(ENGLISH) (GERMAN AND FRENCH SUMMARIES). RESEARCH
AND DEVELOPMENT DEPARTMENT, U.S. NAVAL PROPELLANT
PLANT, INDIAN HEAD, MARYLAND.

5421 GIRARDI, F. * GUZZI, G. * PAULY, J.
THE USE OF GE(LI) DETECTORS IN ACTIVATION
ANALYSIS.
RADIOCHIM. ACTA, 7, NO. 4, 202-209 (1967).
(ENGLISH) (GERMAN AND FRENCH SUMMARIES). JOINT
NUCLEAR RESEARCH CENTER, ISPRA ESTABLISHMENT,
ITALY.

5422 BASTIAN, J. * LIESER, K.H.
DETERMINATION OF POTASSIUM IN RUBIDIUM AND CESIUM
SALTS BY ACTIVATION ANALYSIS.
RADIOCHIM. ACTA, 7, NO. 2/3, 152-153 (1967).
(GERMAN) (ENGLISH AND FRENCH SUMMARIES).
LEHRSTUHL FUR KERNCHEMIE DER TECHNISCHEN
HOCHSCHULE DARMSTADT, GERMANY.

5423 SVENKE, E.
CHEMICAL RESEARCH AT THE SWEDISH ATOMIC ENERGY
COMPANY.
SVESNK KEM. TIDSKR., 79, NO. 2, 89-93 (1967).
(SWEDISH). AB ATOMENERGI, STOCKHOLM, SWEDEN.

5424 BRUNE, D.
ACTIVATION ANALYSIS WITHIN TECHNIQUE AND RESEARCH,
SVENSK KEM. TIDSKR., 79, NO. 2, 154-157 (1967).
(SWEDISH) (ENGLISH SUMMARY). AB ATOMENERGI,
STUDSVIK, NYKOPING, SWEDEN.

5425 IWASHITA, F.
APPARATUS FOR ACTIVATION ANALYSIS,
JAPANESE PATENT 1965-21680, JULY 26, 1965,
(JAPANESE), JAPAN,

5426 KUVIK, V.
DETERMINATION OF TRACES OF METALS IN NUCLEAR
MATERIALS,
CHEM. LISTY, 61, 149-170 (FEBRUARY 1967),
(CZECH), USTAV JADERNEHO VYZKUMU CSAV, REZ,
PRAHY, CZECHOSLOVAKIA,

5428 NENOV, N. * POPOV, C. * TOMOV, T. * STEFANOV, G. *
TOLGYESSY, J.
NONDESTRUCTIVE DETERMINATION OF ARSENIC IN ORES
AND ROCKS WITH HIGH MANGANESE CONCENTRATION BY
NEUTRON ACTIVATION ANALYSIS,
CHEM. ZVESTI, 19, 918-924 (1965), (CZECH)
(RUSSIAN AND GERMAN SUMMARIES), NAUCNO
IZSLEDOVATELSKI GEOLOGICESKI INSTITUT PRI GLAVNO
UPRAVLENIE PO GEOLOGIYA I OCHRANE NA ZEMNITE
NEDRA, LABORATORJA AKTIVACIONEN ANALIZ, SOFIA,
BULGARIA AND KATEDRA RADIOCHEMIE A RADIACNEJ
CHEMIE SLOVENSKEJ VYSOKEJ SKOLY TECHNICKEJ,

5429 DRAGNEV, T.N.
NUCLEAR METHODS FOR DETERMINING BORON IN SILICON,
COMPT. REND. ACAD. BULG. SCI., 19, 711-714 (1966),
(BULGARIAN), BULGARIA,

5430 ABE, S.
PHOTOACTIVATION OF GERMANIUM AND ITS APPLICATION
TO THE DETERMINATION OF GERMANIUM IN IRON,
NIPPON KAGAKU ZASSHI, 88, 52-56 (JANUARY 1967),
(JAPANESE), JAPAN,

5431 FUJII, I. * MUTO, H.
DETERMINATION OF OXYGEN IN TITANIUM METAL BY A
FAST NEUTRON ACTIVATION METHOD,
BUNSEKI KAGAKU, 15, 856-858 (AUG. 1966),
(JAPANESE) (ENGLISH SUMMARY), CENTRAL RESEARCH
LABORATORY, TOKYO SHIBAURA ELECTRIC CO.,
KAWASAKI-SHI, JAPAN.

5432 FUJII, I. * TAKADA, K, * MUTO, H.
DETERMINATION OF OXYGEN IN ALUMINUM BY A FAST
NEUTRON ACTIVATION METHOD.
BUNSEKI, KAGAKU, 15, NO. 11, 1239-1245 (1966).
(JAPANESE) (ENGLISH SUMMARY). TOSHIBA CENTRAL
RESEARCH LABORATORY, KAWASAKI AND NIPPON LIGHT
METAL RESEARCH LABORATORY, SHIZUOKA, JAPAN.

5433 ARNFELT, A-L, * TYDEN, G, * SVENSSON, P, *
OSTERLUNDH, C.G,
CHEMICAL ANALYSIS,
SVENSK KEM, TIDSKR,, 79, NO, 2, 146-153 (1967).
(SWEDISH) (ENGLISH SUMMARY). AVDELNINGEN FOR
REAKTORKEMI, AB ATOMENERGI, STUDSVIK, NYKOPING,
SWEDEN,

5434 WAINERDI, R.E, * FITE, L.E,
AUTOMATIC AND COMPUTER-COUPLED NUCLEAR ACTIVATION
ANALYSIS.
ACTA CHIM. ACAD, SCI. HUNG,, 50, 33-38 (1966).
(ENGLISH). ACTIVATION ANALYSIS RESEARCH
LABORATORY, TEXAS A AND M UNIVERSITY, COLLEGE
STATION TEXAS.

5435 VARTAPETYAN, B.B. * DMITROVSKII, A,A, *
ALKHAZOV, D.G, * LEMBERG, I.H, * GIRSHIN, A,R, *
GUSINSKII, G.M. * STARIKOVA, N,A, * EROFEEVA, N,N,
* BOGDANOVA, I,P,
A NEW APPROACH TO THE STUDY OF MECHANSIM OF
VITAMIN A BIOSYNTHESIS FROM CAROTINE. OXYGEN-18
ACTIVATION BY NUCLEAR REACTION OXYGEN-18(ALPHA,
NEUTRON-PHOTON) NE-21 USING CYCLOTRON ACCELERATED
ALPHA.
BIOKHIMIYA, 31, NO, 5, 881-886 (1966), (RUSSIAN)
(ENGLISH SUMMARY). INSTITUTE OF PLANT PHYSIOLOGY,
INSTITUTE OF BIOLOGICAL CHEMISTRY, ACADEMY OF
SCIENCES OF THE USSR, MOSCOW AND
PHYSICAL-TECHNICAL INSTITUTE, ACADEMY OF SCIENCES
OF THE USSR, LENINGRAD, RUSSIA,

5436 MALESZEWSKA, H.
DETERMINATION OF PALLADIUM, OSMIUM, IRIDIUM AND
PLATINUM IN ROCKS BY NEUTRON-ACTIVATION ANALYSIS,
CHEM. ANAL. (WARSAW), 12, NO, 2, 281-291 (1967),
(POLISH) (ENGLISH SUMMARY). DEPARTMENT OF
ANALYTICAL CHEMISTRY, INSTITUTE OF NUCLEAR
RESEARCH, WARSZAWA, POLAND.

5437 WANG, H-C, * HUANG, H-M, * HSU, P-L, ANALYSIS OF ULTRA-PURE SUBSTANCES, HUA HSUEH TUNG PAO, NO, 1, 1-14 (JANUARY 1965, (CHINESE), CHINA,

5438 SORANTIN, H, * PATEK, P, DETERMINATION OF IMPURITIES IN RED PHOSPHORUS BY NEUTRON ACTIVATION AND GAMMA SPECTROSCOPY, Z, ANAL, CHEM,, 229, NO, 4, 255-261 (1967), (GERMAN) (ENGLISH SUMMARY), INSTITUT FUR CHEMIE, REAKTORZENTRUM SEIBERSDORF, AUSTRIA,

5439 TURKOWSKY, C, * STARK, H, * BORN, H,J, DETERMINATION OF TRACES OF URANIUM IN ROCKS AND MINERALS BY NEUTRON ACTIVATION, RADIOCHIM, ACTA, 8, NO, 1, 27-30 (1967), (GERMAN) (ENGLISH AND FRENCH SUMMARIES), INSTITUT FUR RADIOCHEMIE AN DER TECHNISCHEN HOCHSCHULE MUNCHEN, GERMANY,

5440 SCHMIDT, D, INSTRUMENTAL CHEMICAL ANALYSIS OF THE MOON SURFACE BY UNMANNED LANDING DEVICES, RAUMFAHRTFORSCHUNG, 11, NO, 1, 27-35 (JANUARY-MARCH 1967), (GERMAN), INSTITUT FUR KERNCHEMIE DER UNIVERSITAT MARBURG, GERMANY UND DEPARTMENT OF CHEMISTRY, UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY,

5442 ENGELMANN, C, THE ULTRA SENSITIVE ANALYSIS OF THE LIGHT ELEMENTS IN MATERIALS OF VERY HIGH PURITY BY ACTIVATION USING GAMMA PHOTONS AND CHARGED PARTICLES, INTERN, J, APPL, RADIATION ISOTOPES, 18, NO, 8, 569-578 (1967), (FRENCH) (ENGLISH, RUSSIAN AND GERMAN SUMMARIES), DEPARTMENT DE METALLURGIE, CENTRE D ETUDES NUCLEAIRES DE SACLAY, GIF-SUR-YVETTE, SEINE-ET-OISE, FRANCE,

5443 PERDIJON, J, A DEVICE PERMITTING UNIFORM RADIOACTIVATION OF A SINGLE NON-HOMOGENEOUS SAMPLE, NUCL, INSTRUMENTS METHODS, 53, NO, 2, 335-336 (1967), (FRENCH) (ENGLISH SUMMARY), SAMES, GRENOBLE, FRANCE,

5444 EYCHENNE, M. * BAYLE, P. * BLANC, D. *
LAVERLOCHERE, J. * LE STRAT, J.
TITRATION BY ACTIVATION OF IMPURITIES PRESENT IN
TUNGSTEN. EXAMPLES OF APPLICATION TO THE INDUSTRY
OF LAMPS.
CHIM. ANAL. (PARIS), 49, NO. 7, 355-360 (1967).
(FRENCH) (ENGLISH SUMMARY). CENTRE DE PHYSIQUE
ATOMIQUE ET NUCLEAIRE, FACULTE DES SCIENCES DE
TOULOUSE, SECTION D APPLICATIONS DES RADIOELEMENTS
DU C.E.A., CENTRE D ETUDES NUCLEAIRES DE GRENOBLE,
AND DIRECTEUR TECHNIQUE DE LA COMPAGNIE DES
LAMPES, FRANCE.

5445 DEBIARD, R. * FOURCY, A. * GARREC, J-P.
FLOURINE DETERMINATION IN CONTAMINATED PLANTS BY
14-MEV NEUTRON ACTIVATION.
COMPT. REND., SER. D, 264, NO. 23, 2668-2671
(1967). (FRENCH). LABORATOIRE D ANALYSES
CHIMIQUES, COLLEGE SCIENTIFIQUE UNIVERSITAIRE,
CHAMBERY, SAVOIE, FRANCE.

5447 DAMS, R. * HOSTE, J.
NEUTRON ACTIVATION OF TRACES IN ELECTROLYTIC ZINC
SULPHATE SOLUTIONS. PART I. SIMULTANEOUS
DETERMINATION OF MERCURY, URANIUM AND YTTERBIUM.
ANAL. CHIM. ACTA, 39, NO. 4, 423-432 (1967).
(ENGLISH) (FRENCH AND GERMAN SUMMARIES).
INSTITUTE FOR NUCLEAR SCIENCES, GHENT UNIVERSITY,
GHENT, BELGIUM.

5448 BRECCIA, A. * DELLONTE, S. * NUCIFORA, G.
NEUTRON ACTIVATION ANALYSIS OF COBALT, ZINC,
CHROMIUM, SCANDIUM, AND NICKEL TRACES IN
ALFIANELLO AND ALBARETO METEORITES.
RIC. SCI., 37, NO. 4, 319-322 (1967). (ITALIAN).
ISTITUTO CHIMICO, G. CIAMICIAN, UNIVERSITA DI
BOLOGNA AND CENTRO NAZIONALE DI CHIMICA DELLE
RADIAZIONI E DEI RADIOELEMENTI (CNR) SEZIONE III,
BOLOGNA, ITALY.

5449 DUMESNIL, P.
ARGON ACTIVATION ANALYSIS. APPLICATION TO DATING
BY THE POTASSIUM-ARGON METHOD.
CEA-R-3100, 70P., 1967. (FRENCH) (ENGLISH
SUMMARY). COMMISSARIAT A L ENERGIE ATOMIQUE,
CENTRE D ETUDES NUCLEAIRES DE SACLAY, FRANCE.

5450 STOLL, N, * WAGNER, A, * GOEDERT, L,
INVESTIGATIONS OF THE INDUSTRIAL APPLICATION POSSIBILITIES OF ACTIVATION ANALYSIS FOR THE DETERMINATION OF OXYGEN AND EVENTUALLY OF NITROGEN AND HYDROGEN IN STEEL, PART I, BIBLIOGRAPHICAL REPORT,
EUR-3161,F (VOL, 1), 48P,, NOVEMBER 1966, (FRENCH), ACIERIES REUNIES DE BURBACH-EICH-DUDELANGE S,A,, LUXEMBOURG, BELGIUM,

5451 STOLL, N, * WAGNER, A, * GOEDERT, L,
INVESTIGATIONS OF THE INDUSTRIAL APPLICATION POSSIBILITIES OF ACTIVATION ANALYSIS FOR THE DETERMINATION OF OXYGEN AND EVENTUALLY NITROGEN AND HYDROGEN IN STEEL, PART II, DESCRIPTION AND RESULTS OF THE TESTS,
EUR-3161,F (VOL, 2), 69P,, NOVEMBER 1966, (FRENCH), ACIERIES REUNIES DE BURBACH-EICH-DUDELANGE S,A,, LUXEMBOURG, BELGIUM,

5452 STOLL, N, * WAGNER, A, * GOEDERT, L,
INVESTIGATIONS ON THE INDUSTRIAL APPLICATION POSSIBILITIES OF ACTIVATION ANALYSIS FOR THE DETERMINATION OF OXYGEN AND EVENTUALLY OF NITROGEN AND HYDROGEN IN STEEL, PART III, DISCUSSION OF THE TESTS AND CONCLUSIONS TO BE DEDUCED FROM THE
EUR-3161,F (VOL, 3), 28P,, NOVEMBER 1966, (FRENCH), ACIERIES REUNIES DE BURBACH-EICH-DUDELANGE S,A,, LUXEMBOURG, BELGIUM,

5472 AKABOSHI, M, * WAKI, A,
ANALYSIS OF NUCLEIC ACID CONTENT OF TETRAHYMENA BY MEANS OF INDUCED RADIOACTIVITY,
DOBUTSUGAKU ZASSHI, 75, 183-186 (JUNE 1966), (JAPANESE) (ENGLISH SUMMARY), KYOTO UNIVERSITY, JAPAN,

5498 MASON, G.F,
GAMMA RAY SPECTRAL ANALYSIS, A SELECTED BIBLIOGRAPHY,
AD-643127, 26P,, SEPT, 1966, (ENGLISH), DEFENSE ATOMIC SUPPORT AGENCY, BETHESDA, MARYLAND,

5499 RAUSCH, H, * CSADA, G,I, * SZABO, E,
DETERMINATION OF TRACE IMPURITIES IN SILICO CHLOROFORM BY ACTIVATION ANALYSIS,
CHEM, ZVESTI, 21, NO, 8, 592-601 (1967), (GERMAN) (HUNGARIAN AND RUSSIAN SUMMARIES), FORSCHUNGSINSTITUT FUR FERNMELDEWESEN AND ZENTRALFORSCHUNGINSTITU FUR PHYSIK, BUDAPEST, HUNGARY,

5500 GILBERT, E.N. * ARTYUKHIN, P.I.
THE DETERMINATION OF TRACE IMPURITIES IN GALLIUM
ARSENIDE BY RADIOACTIVATION.
IZV. SIB. OTD. AKAD. NAUK SSSR, SER. KHIM. NAUK,
NO. 2, 90-94 (1967), (RUSSIAN) (ENGLISH SUMMARY),
RUSSIA.

5501 BERESS, M.
THE APPLICATION OF NEUTRON ACTIVATION ANALYSIS FOR
THE INVESTIGATION OF ROCKS OF MANGANESE CONTENT.
GEOFIZ. KOZLEM., 15, 181-194 (1966), (HUNGARIAN)
(RUSSIAN AND ENGLISH SUMMARIES), MAGYAR ALLAMI
EOTVOS LORAND GEOFIZIKAI INTEZET, HUNGARY.

5502 THOMAS, C.C., JR. * TERCHO, G.P. * SONDEL, J.A.
NEUTRON ACTIVATION ANALYSIS OF BLOOD AND BLOOD
SERUM FOR COPPER AND ZINC.
NUCL. APPL., 3, 53-57 (JAN. 1967), (ENGLISH),
WESTERN NEW YORK NUCLEAR RESEARCH CENTER, BUFFALO,
N.Y.

5510 JESTER, W.A. * KLAUS, E.E.
ACTIVATION ANALYSIS OF HIGH-PURITY LUBRICANTS FOR
TRACE ELEMENTS.
NUCL. APPL., 3, 375-382 (JUNE 1967), (ENGLISH),
COLLEGE OF ENGINEERING, THE PENNSYLVANIA STATE
UNIVERSITY, UNIVERSITY PARK, PA.

5513 PISKUNOV, L.I.
QUANTITATIVE ANALYSIS OF THE TWO-COMPONENT MIXTURE
OF RADIONUCLIDES.
RADIOKHIMIYA, 9, 266-268 (1967), (RUSSIAN),
RUSSIA.

5515 ONOSOV, A.I. * PEROVSKII, A.P.
DETERMINATION OF HAFNIUM CONCENTRATION IN
ZIRCONIUM. I.
RADIOKHIMIYA, 9, 269-271 (1967), (RUSSIAN),
RUSSIA.

5517 ONOSOV, A.I. * PEROVSKII, A.P.
DETERMINATION OF HAFNIUM CONCENTRATION IN
ZIRCONIUM. II.
RADIOKHIMIYA, 9, 271-273 (1967), (RUSSIAN),
RUSSIA.

5520 BOIVIN, M. * CAUCHOIS, Y. * HENO, Y.
RESEARCH ON NUCLEAR PHOTOACTIVATION BY X-RAYS.
EUR-3298.F, 36P., APRIL 1967, (FRENCH), FACULTE
DES SCIENCES DE PARIS, FRANCE.

5522 POTZL, K. * CARNUTH, W .
ISOLATION AND IDENTIFICATION OF ATMOSPHERIC BE-7,
RADIOCHIM. ACTA, 6, 133-135 (DECEMBER 1966),
(GERMAN) (ENGLISH AND FRENCH SUMMARIES),
PHYSIKALISCH-BIOKLIMATISCHE FORSCHUNGSSTELLE DER
FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER
ANGEWANDTEN FORSCHUNG, GARMISCH-PARTENKIRCHEN,
GERMANY.

5526 NATIONAL ACADEMY OF SCIENCES--NATIONAL RESEARCH
COUNCIL
CHARACTERIZATION OF MATERIALS,
MAB-229-M, 517P., MARCH 1967, (ENGLISH),
NATIONAL ACADEMY OF SCIENCES, NATIONAL ACADEMY OF
ENGINEERING, WASHINGTON, D.C.

5527 DIVISION OF ISOTOPES DEVELOPMENT
ISOTOPE SYSTEMS DEVELOPMENT PROGRAM,
CONF-661203, 89P., DEC. 5-7, 1966, (ENGLISH),
DIVISION OF ISOTOPES DEVELOPMENT, U.S. ATOMIC
ENERGY COMMISSION, WASHINGTON, D.C.

5543 WOLICKI, E.A. * KNUDSON, A.R.
A NUCLEAR DETECTION METHOD FOR SULFUR IN THIN
FILMS,
INTERN. J. APPL. RADIATION ISOTOPES, 18, 429-433
(1967). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN
SUMMARIES). U.S. NAVAL RESEARCH LABORATORY,
WASHINGTON. D.C.

5546 MUNDSCHENK, H.
DETERMINATION OF ENERGY AND INTENSITY OF COMPLEX
PHOTOPEAKS.
INTERN. J. APPL. RADIATION ISOTOPES, 18, 365-381
(1967). (GERMAN) (ENGLISH, FRENCH AND RUSSIAN
SUMMARIES). INSTITUT FUR ANORG. CHEMIE UND
KERNCHEMIE DER UNIVERSITAT MAINZ, GERMANY.

5547 BISHOP, M. * FLETCHER, K.E.
ISOTOPE IDENTIFICATION BY AUTORADIOGRAPHY,
INTERN. J. APPL. RADIATION ISOTOPES, 18, 465-471
(1967). (ENGLISH) (RUSSIAN, FRENCH AND GERMAN
SUMMARIES). RESEARCH LABORATORIES OF THE BRITISH
ALUMINIUM CO. LTD., GERRARDS CROSS, BUCKS,
ENGLAND.

5551 JULIANO, J.O. * JULIANO, P.O.
ACTIVATION ANALYSIS OF PHILIPPINE URANIUM ORES BY
DELAYED NEUTRON COUNTING,
PHILIPPINES NUCL. J., 1, NO. 1, 9-16 (JULY 1966),
(ENGLISH). PHILIPPINE ATOMIC RESEARCH CENTER.

5552 TITTLE, C.W.
APPLICATIONS OF RADIOISOTOPE INSTRUMENTS IN
GEOPHYSICS,
STI-PUB-112, VOL. 2, 3-13, 1966, (ENGLISH)
(FRENCH, RUSSIAN AND SPANISH SUMMARIES), SOUTHERN
METHODIST UNIVERSITY, DALLAS, TEXAS.

5554 KOZHEVNIKOV, D.A.
THEORETICAL INVESTIGATIONS IN NUCLEAR GEOPHYSICS
IN THE USSR,
STI-PUB-112, VOL. 2, 43-68, 1966, (RUSSIAN)
(ENGLISH, FRENCH AND SPANISH SUMMARIES), RUSSIA.

5555 YAKUBSON, K.I. * EIFE, K.
USE OF NEUTRON-INDUCED GAMMA-RADIATION
SPECTROMETRY TO INVESTIGATE THE ELEMENTAL
COMPOSITION OF ROCKS IN BOREHOLES,
STI-PUB-112, VOL. 2, 159-186, 1966, (RUSSIAN)
(ENGLISH, FRENCH AND SPANISH SUMMARIES), RUSSIA.

5566 KUSAKA, Y. * TSUJI, H. * EGAWA, M.
RAPID ANALYSIS OF BORON IN GLASS BY PROMPT
GAMMA-RAY MEASUREMENT,
NIPPON KAGAKU ZASSHI, 88, 1006-1008 (SEPTEMBER
1967). (JAPANESE) (ENGLISH SUMMARY), DEPARTMENT
OF CHEMISTRY, FACULTY OF SCIENCE, KONAN
UNIVERSITY, HIGASHINADA-KU, KOBE-SHI, JAPAN.

5571 DIECKERT, J.W. * DERRICK, K.S. * DAVIS, R.C. *
SINGH, J.
THE DETERMINATION OF POTASSIUM AND MANGANESE IN
PLANT TISSUES BY NEUTRON ACTIVATION ANALYSIS,
STI/PUB-137, 81-93, UNDATED. (ENGLISH),
DEPARTMENT OF BIOCHEMISTRY AND NUTRITION, TEXAS A
AND M UNIVERSITY, COLLEGE STATION, TEXAS.

5577 BLYUMENTSEV, A.M. * FELDMAN, I.I. * NEDOSTUP, G.A.
* ZHELTIKOV, A.N.
NEUTRON RADIATIVE CAPTURE GAMMA SPECTROMETRY AS A
METHOD OF DETERMINING THE COMPOSITION OF
IRON-BEARING ROCKS AND ORES,
STI-PUB-112, VOL. 2, 187-202, 1966, (RUSSIAN)
(ENGLISH, FRENCH AND SPANISH SUMMARIES), RUSSIA.

5578 MARTIN, T.C. * HALL, J.D. * MORGAN, I.L.
ON-LINE NUCLEAR ANALYSIS SYSTEM,
STI-PUB-112, VOL. I, 411-423, 1966, (ENGLISH)
(FRENCH, RUSSIAN AND SPANISH SUMMARIES), TEXAS
NUCLEAR CORPORATION, AUSTIN, TEXAS,

5579 TOUSSET, J. * CONDAMIN, J, * PICON, M,
METHOD OF ANALYSIS BY ACTIVATION WITH FAST
NEUTRONS OF ANTIQUE MONEY.
LYCEN/6726, 11P., APRIL 1967, (FRENCH), INSTITUT
DE PHYSIQUE NUCLEAIRE, UNIVERSITE DE LYON AND
FACULTE LIBRE DES SCIENCES DE LYON, FRANCE.

5580 CHEVARIER, N. * GIROUX, J, * DUC, T.M, * TOUSSET, J,
ACTIVATION ANALYSIS WITH CHARGED PARTICLES.
BULL. SOC. CHIM. FR., NO, 8, 2893-2898 (1967),
(FRENCH). INSTITUT DE PHYSIQUE NUCLEAIRE,
UNIVERSITE DE LYON, FRANCE,

5581 LOBANOV, E.M, * ARIPOV, G,
DETERMINATION OF CHROMIUM AND SOME OTHER ELEMENTS
BY ANALYSIS OF THE GAMMA SPECTRA FROM THE (N,
GAMMA) REACTION,
IZV, AKAD, NAUK UZ, SSR, SER, FIZ,-MAT, NAUK, NO,
6, 64-67 (NOVEMBER-DECEMBER 1965), (RUSSIAN),
RUSSIA,

5583 GUZZI, G. * PAULY, J, * GIRARDI, G, * DORPEMA, B,
COMPUTER PROGRAM FOR ACTIVATION ANALYSIS WITH
GERMANIUM LITHIUM DRIFTED DETECTORS,
EUR-3469.E, 40P., MAY 1967, (ENGLISH), JOINT
NUCLEAR RESEARCH CENTER, ISPRA ESTABLISHMENT,
ITALY.

5587 GUNNINK, R. * LEVY, H.B. * NIDAY, J.B,
IDENTIFICATION AND DETERMINATION OF GAMMA EMITTERS
BY COMPUTER ANALYSIS OF GE(LI) SPECTRA.
UCID-15140, 23P., MAY 16, 1967, (ENGLISH).
LAWRENCE RADIATION LABORATORY, UNIVERSITY OF
CALIFORNIA, LIVERMORE, CALIF,

5591 HERPERS, U. * HERR, W, * WOLFLE, R,
DETERMINATION OF COSMIC-RAY PRODUCED NUCLIDES
MN-53, SC-45 AND AL-26 IN METEORITES BY NEUTRON
ACTIVATION AND GAMMA COINCIDENCE SPECTROSCOPY,
RADIOACTIVE DATING AND METHODS OF LOW-LEVEL
COUNTING. IAEA VIENNA, 199-205, 1967, (ENGLISH),
INSTITUTE OF NUCLEAR CHEMISTRY, UNIVERSITY OF
COLOGNE AND INSTITUTE FOR RADIOCHEMISTRY, NUCLEAR
RESEARCH CENTRE, JULICH, GERMANY,

5592 HERR, W, * WOLFLE, R, * EBERHARDT, P, * KOPP, E, DEVELOPMENT AND RECENT APPLICATIONS OF THE RE/OS DATING METHOD, RADIOACTIVE DATING AND METHODS OF LOW-LEVEL COUNTING. IAEA VIENNA, 499-508, 1967, (ENGLISH), COLOGNE UNIVERSITY, GERMANY AND UNIVERSITY OF BERNE, SWITZERLAND,

5593 AUBOIN, G, * DUGAIN, F, * LAVERLOCHERE, J, A FEW APPLICATIONS OF NEUTRON ACTIVATION ANALYSIS OF BERYLLIUM, CONFERENCE INTERNATIONALE SUR LA METALLURGIE DU BERYLLIUM GRENOBLE, 15P., 17-20 MAY 1965, (FRENCH), CENTRE D ETUDES NUCLEARIES DE GRENOBLE AND COMPAGNIE PECHINEY, VOREPPE, FRANCE,

5594 CRUMPTON, D, THE EFFECT OF SOURCE TO TARGET GEOMETRY IN NEUTRON ACTIVATION, NUCL. INSTRUMENTS METHODS, 55, NO. 1, 198-200 (1967), (ENGLISH), UNIVERSITY OF ASTON, BIRMINGHAM, ENGLAND,

5596 COMAR, D, ACTIVATION ANALYSIS AS A TOOL FOR MEDICAL RESEARCH, NUCLEONICS, 24, NO, 11, 54-57 (NOV, 1966), (ENGLISH), COMMISSARIAT A L ENERGIE ATOMIQUE, SERVICE HOSPITALIER FREDERIC JOLIOT, ORSAY, FRANCE,

5602 RAKOVIC, M, * PROUZA, Z, PROBLEMS OF CHANGE IN NEUTRON FLUX IN A SAMPLE IN ACTIVATION ANALYSIS, CHEM, LISTY, 60, NO, 11, 1496-1508 (1966), (CZECH), KATEDRA LEKARSKE FYSIKY A NUKLEARNI MEDICINY, FAKULTA VSEOBECNEHO LEKARSTVI, UNIVERSITA KARLOVA, PRAHA A VETERINARNI VYZKUMNE STREDISKO, PRAHA, CZECHOSLOVAKIA,

5610 PARKER, C,V, THE NUCLEAR ANALYSIS FACILITY OF TEXAS NUCLEAR CORPORATION, ISOTOPES RADIATION TECHNOLOGY, 4, NO, 2, 117-119 (WINTER 1966-1967), (ENGLISH), TEXAS NUCLEAR CORPORATION, AUSTIN, TEXAS,

5618 RAKOVIC, M.
NONDESTRUCTIVE NEUTRON ACTIVATION ANALYSIS WITHOUT USING GAMMA SPECTROMETRY,
CHEM. LISTY, 61, 709-717 (JUNE 1967). (CZECH).
KATEDRA LEKARSKE FYSIKY A NUKLEARNI MEDICINY,
FAKULTA VSEOBECNEHO LEKARSTVI KU, PRAHA,
CZECHOSLOVAKIA.

5619 GILBERT, E.N. * PRONIN, V.A. * ARTYUKHIN, P.I. * NIKOLAEV, A.V.
ACTIVATION DETERMINATION OF IMPURITIES IN TRICHOLOROMETHYLSILANE WITH EXTRACTIONAL SEPARATION OF THE ELEMENTS,
DOKL. AKAD. NAUK SSSR, 172, NO. 4, 853-855 (1967).
(RUSSIAN). INSTITUTE OF INORGANIC CHEMISTRY,
NOVOSIBIRSK, RUSSIA.

5620 PLAKSIN, I.N. * STARCHIK, L.P. * TUSTANOVSKII, V.T.
ACTIVATION ANALYSIS WITH THE USE OF THE MATRIX METHOD,
DOKL. AKAD. NAUK SSSR, 172, NO. 1, 104-106 (1967).
(RUSSIAN). RUSSIA.

5621 AZIMOV, S.A. * MASAGUTOV, V.S. * KASYMOV, A.K. * KHAKIMOV, M.
GAMMA ACTIVATION METHOD FOR DETERMINATION OF CARBON CONCENTRATION IN COAL,
DOKL. AKAD. NAUK UZ. SSR, 23, NO. 2, 24-27 (1966).
(RUSSIAN). RUSSIA.

5626 CHUPEEV, N.E. * DUKENBAEVA, A.B.
NEUTRON ACTIVATION ANALYSIS AND ITS APPLICATION TO MEDICAL RESEARCH,
GIG. SANIT., 32, NO. 1, 76-81 (JANUARY 1967).
(RUSSIAN). CENTRAL INSTITUTE FOR THE PROFESSIONAL DEVELOPMENT OF PHYSICIANS, MOSCOW, RUSSIA.

5648 TAYLOR, K.J.
INDUSTRIAL APPLICATIONS OF RADIOISOTOPES,
REP. PROGR. APPL. CHEM., 50, 131-143 (1965).
(ENGLISH). ISOTOPE RESEARCH DIVISION, WANTAGE RESEARCH LABORATORY, AERE, ENGLAND.

5694 LUKENS, H.R., JR.
ACTIVATION ANALYSIS AT GENERAL ATOMIC,
ISOTOPES RADIATION TECHNOLOGY, 4, NO. 2, 119-124 (WINTER 1966-1967). (ENGLISH). GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORPORATION, SAN DIEGO, CALIF.

5697 ZMIJEWSKA, W. * MINCZEWSKI, J.
DETERMINATION OF SOME COMPONENTS OF THE SOIL SOLUTION BY ION EXCHANGE CHROMATOGRAPHY-NEUTRON ACTIVATION METHOD.
CHEM. ANAL. (WARSAW), 12, NO. 4, 675-681 (1967). (ENGLISH) (POLISH SUMMARY). DEPARTMENT OF ANALYTICAL CHEMISTRY, INSTITUTE OF NUCLEAR RESEARCH, WARSZAWA, POLAND.

5698 MENAPACE, L.M.
USE OF METASTABLE STATES IN ACTIVATION ANALYSIS.
IS-T-196, THESIS., 37P., AUGUST 1967. (ENGLISH). AMES LABORATORY, IOWA STATE UNIVERSITY, AMES, IOWA.

5699 HAHN, P.B.
ACTIVATION ANALYSIS FOR TRACE QUANTITIES OF IODINE IN BIOLOGICAL MATERIALS.
IS-T-190, THESIS, 43P., AUGUST 1967. (ENGLISH). AMES LABORATORY, IOWA STATE UNIVERSITY, AMES, IOWA.

5701 COMAR, D. * CHEVALLIER, F.
CONCENTRATION OF VANADIUM IN RATS AND ITS EFFECT ON CHOLESTEROL SYNTHESIS. STUDIES WITH NEUTRON ACTIVATION AND ISOTOPE EQUILIBRATION.
BULL. SOC. CHIM. BIOL., 49, NO. 10, 1357-1367 (1967). (FRENCH) (ENGLISH AND GERMAN SUMMARIES). DEPARTEMENT DE BIOLOGIE, COMMISSARIAT A L ENERGIE ATOMIQUE, CENTRE D ETUDES NUCLEAIRES, SACLAY, FRANCE.

5703 ARTYUKHIN, P.I. * GILBERT, E.N. * PRONIN, V.A.
RADIOACTIVATION DETERMINATION OF IMPURITIES IN GALLIUM ARSENIDE.
RADIOKHIMIYA, 9, NO. 3, 341-346 (1967). (RUSSIAN). RUSSIA.

5704 RIMSKII-KORSAKOV, A.A. * SMIRNOV, A.A. * SMIRNOV, V.V. * CHUBAROV, M.N.
DETERMINATION OF GOLD CONTENT IN SILVER BY ACTIVATION ANALYSIS METHOD.
RADIOKHIMIYA, 9, NO. 3, 388-389 (1967). (RUSSIAN). RUSSIA.

5705 BABAEV, A, * ABBOSOV, O, * LOBANOV, E,M, *
NURMATOV, D, * UMAROV, M,
DETERMINATION OF RARE EARTH ELEMENTS IN MINERALS BY A RADIOCHEMICAL VARIATION OF ACTIVATION ANALYSIS,
DOKL, AKAD, NAUK TADZH, SSR, 10, NO, 2, 14-17 (1967), (RUSSIAN), RUSSIA,

5706 DUTOV, A,G, * LOBANOV, E,M,
DETERMINATION OF IMPURITIES IN FERRITE GARNETS AND YTTRIUM OXIDE BY ACTIVATION ANALYSIS,
IZV, AKAD, NAUK UZB, SSR, SER, FIZ,-MAT, NAUK, 11, NO, 1, 82-83 (1967), (RUSSIAN), INSTITUTE YAD, FIZ,, TASHKENT, RUSSIA,

5707 ABBOSOV, O, * BABAEV, A, * LOBANOV, E,M, *
NURMATOV, D, * UMAROV, U,
USE OF THE RADIOACTIVATION ANALYSIS FOR DETERMINATION OF RARE EARTH ELEMENTS DAVIDITE AND EUXENITE MINERALS,
DOKL, AKAD, NAUK TADZH, SSR, 10, NO, 1, 13-17 (1967), (RUSSIAN), RUSSIA,

5708 PERDIJON, J,
OXYGEN DETERMINATION IN STEEL BY ACTIVATION ANALYSIS, A RAPID NON-DESTRUCTIVE METHOD,
ATOMWIRTSCHAFT, 12, 131-133 (MARCH 1967), (GERMAN), INGENIEUR CIVIL DES MINES, GRENOBLE, FRANCE,

5709 MOTT, W,E, * ROTARIU, G,J,
THE AECS PROGRAM IN INDUSTRIAL APPLICATIONS OF RADIATION AND RADIOISOTOPES,
ISOTOPES RADIATION TECHNOLOGY, 4, NO, 4, 317-320 (SUMMER 1967), (ENGLISH), DIVISION OF ISOTOPES DEVELOPMENT, U,S, ATOMIC ENERGY COMMISSION, WASHINGTON, D,C,

5710 LYON, W,S, * MILLER, F,J,
FORENSIC APPLICATIONS OF NEUTRON ACTIVATION ANALYSIS,
ISOTOPES RADIATION TECHNOLOGY, 4, NO, 4, 325-340 (SUMMER 1967), (ENGLISH), USA,

5711 DYER, F,F, * BATE, L,C, * STRAIN, J,E,
THREE-DIMENSIONALLY ROTATING SAMPLE HOLDER FOR 14-MILLION ELECTRON VOLT NEUTRON IRRADIATIONS,
ANAL, CHEM,, 39, 1907-1909 (DECEMBBR 1967), (ENGLISH), OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE,

5712 CSAJKA, M,
APPLICATION OF ISOTOPIC EXCHANGE FOR THE
DETERMINATION OF TIN IN NICKEL,
TALANTA, 14, 1360-1362 (NOVEMBER 1967), (ENGLISH)
(GERMAN AND FRENCH SUMMARIES), CENTRAL RESEARCH
INSTITUTE FOR PHYSICS, BUDAPEST, HUNGARY.

5713 JOHANSEN, O, * STEINNES, E,
PRECISION ANALYSIS OF MANGANESE IN ROCKS BY
NEUTRON ACTIVATION ANALYSIS,
ANAL, CHIM, ACTA, 40, NO, 2, 201-205 (1968),
(ENGLISH) (FRENCH AND GERMAN SUMMARIES),
INSTITUTT FOR ATOMENERGI, ISOTOPE LABORATORIES,
KJELLER, NORWAY,

5714 OLDHAM, G, * DARRALL, K,G,
THE DETERMINATION OF BROMINE IN THE PRESENCE OF
FLUORINE AND POSITRON EMITTERS USING FAST NEUTRON
ACTIVATION ANALYSIS,
ANAL, CHIM, ACTA, 40, NO, 2, 330-333 (1968),
(ENGLISH), DEPARTMENT OF CHEMISTRY, LOUGHBOROUGH
UNIVERSITY OF TECHNOLOGY, LOUGHBOROUGH, LEICESTER,
ENGLAND,

5716 CLARK, R,S, * ROWE, M,W, * GANAPATHY, R, *
KURODA, P,K,
IODINE, URANIUM AND TELLURIUM CONTENTS IN
METEORITES,
GEOCHIM, COSMOCHIM, ACTA, 31, 1605-1613 (OCTOBER
1967), (ENGLISH), DEPARTMENT OF CHEMISTRY,
UNIVERSITY OF ARKANSAS, FAYETTEVILLE, ARKANSAS,

5717 CROCKET, J,H, * KEAYS, R,R, * HSIEH, S,
PRECIOUS METAL ABUNDANCES IN SOME CARBONACEOUS AND
ENSTATITE CHONDRITES,
GEOCHIM, COSMOCHIM, ACTA, 31, 1615-1623 (OCTOBER
1967), (ENGLISH), DEPARTMENT OF GEOLOGY, MC
MASTER UNIVERSITY, HAMILTON, ONTARIO, CANADA,

5718 GOLES, G,G, * GREENLAND, L,P, * JEROME, D,Y,
ABUNDANCES OF CHLORINE, BROMINE, AND IODINE IN
METEORITES,
GEOCHIM, COSMOCHIM, ACTA, 31, 1771-1787 (OCTOBER
1967), (ENGLISH), DEPARTMENTS OF CHEMISTRY AND
EARTH SCIENCES, UNIVERSITY OF CALIFORNIA, SAN
DIEGO, CALIF,

5719 MORGAN, J,W, * LOVERING, J,F,
RHENIUM AND OSMIUM ABUNDANCES IN CHONDRITIC METEORITES,
GEOCHIM, COSMOCHIM, ACTA, 31, 1893-1909 (OCTOBER 1967), (ENGLISH), DEPARTMENT OF GEOPHYSICS AND GEOCHEMISTRY, AUSTRALIAN NATIONAL UNIVERSITY, CANBERRA, AUSTRALIA,

5720 SCHMITT, R,A, * SMITH, R,H, * EHMANN, W,D, * MC KOWN, D,
SILICON ABUNDANCES IN METEORITIC CHONDRULES,
GEOCHIM, COSMOCHIM, ACTA, 31, 1975-1985 (OCTOBER 1967), (ENGLISH), GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORPORATION, SAN DIEGO, CALIF,, OREGON STATE UNIVERSITY, CORVALLIS, OREGON, AND UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY,

5721 BERKEY, E, * FISHER, D,E,
THE ABUNDANCE AND DISTRIBUTION OF CHLORINE IN IRON METEORITES,
NYO-2794-14, 48P,, FEBRUARY 3, 1967, (ENGLISH), DEPARTMENT OF ENGINEERING PHYSICS, CORNELL UNIVERSITY, ITHACA, N,Y,

5725 SHIBUYA, M,
APPLICATION OF RADIOISOTOPES FOR ANALYSIS, V, NEUTRON ACTIVATION ANALYSIS OF AGRICULTURAL SAMPLES,
NIPPON DOJO HIRYOGAKU ZASSHI, 37, 126-139 (JANUARY 1966), (JAPANESE), NATIONAL INSTITUTE OF AGRICULTURAL SCIENCE, TOKYO, JAPAN,

5726 FURUHASHI, N, * UEMURA, T,
QUANTITATIVE ACTIVATION ANALYSIS OF THE IMPURITIES IN A CULTURE PEARL,
OSAKA FURITSU KOGYO-SHOREIKAN HOKOKU, NO, 39, 46-49 (JULY 1966), (JAPANESE) (ENGLISH SUMMARY), INDUSTRIAL RESEARCH INSTITUTE OF OSAKA PREFECTURE, JAPAN,

5727 DUBINSKAYA, N,A, * TSIRKUNOVA, I,E,
NEUTRON ACTIVATION ANALYSIS OF AL IN THE HUMAN HAIR,
LATV, PSR ZINAT, AKAD, VESTIS, FIZ, TEH, ZINAT, SER,, NO, 4, 3-10 (1967), (RUSSIAN) (ENGLISH SUMMARY), INSTITUTE OF PHYSICS, RIGA, RUSSIA,

5728 ALIAN, A. * SHABANA, R.
NEUTRON ACTIVATION ANALYSIS BY STANDARD ADDITION AND SOLVENT EXTRACTION. DETERMINATION OF IMPURITIES IN THORIUM AND IRON.
TALANTA, 15, NO. 2, 257-261 (1968). (ENGLISH) (GERMAN AND FRENCH SUMMARIES). NUCLEAR CHEMISTRY DEPARTMENT, ANALYTICAL DIVISION, ATOMIC ENERGY ESTABLISHMENT, CAIRO, U.A.R.

5729 ALIAN, A. * SHABANA, R. * SANAD, W. * ALLAM, B. * KHALIFA, K.
NEUTRON ACTIVATION ANALYSIS BY STANDARD ADDITION AND SOLVENT EXTRACTION. DETERMINATION OF TRACES OF ANTIMONY.
TALANTA, 15, NO. 2, 262-266 (1968). (ENGLISH) (FRENCH AND GERMAN SUMMARIES). ATOMIC ENERGY ESTABLISHMENT, NATIONAL CENTRE OF SOCIAL AND CRIMINOLOGICAL RESEARCH AND CAIRO UNIVERSITY, CAIRO, U.A.R.

5730 BALLAUX, C. * DAMS, R. * HOSTE, J.
NEUTRON ACTIVATION ANALYSIS OF HIGH PURITY SELENIUM. DETERMINATION OF TELLURIUM.
ANAL. CHIM. ACTA, 41, NO. 2, 147-154 (1968). (ENGLISH) (FRENCH AND GERMAN SUMMARIES). INSTITUTE FOR NUCLEAR SCIENCES, GHENT UNIVERSITY, GHENT, BELGIUM.

5731 BRUNFELT, A.O. * STEINNES, E.
THE DETERMINATION OF PHOSPHORUS IN ROCKS BY NEUTRON ACTIVATION.
ANAL. CHIM. ACTA, 41, NO. 2, 155-158 (1968). (ENGLISH). UNIVERSITY OF OSLO, OSLO AND INSTITUTT FOR ATOMENERGI, KJELLER, NORWAY.

5732 WECHTER, M.A. * VOIGT, A.F.
DETERMINATION OF LANTHANUM, HOLMIUM, AND URANIUM IN THEIR TUNGSTEN BRONZES BY THERMAL NEUTRON ACTIVATION.
ANAL. CHIM. ACTA, 41, NO. 2, 181-184 (1968). (ENGLISH). INSTITUTE FOR ATOMIC RESEARCH, DEPARTMENT OF CHEMISTRY, IOWA STATE UNIVERSITY, AMES, IOWA.

5733 LOMBARD, S,M, * ISENHOUR, T,L, * HEINTZ, P.H, * WOODRUFF, G,L, * WILSON, W,E, NEUTRON CAPTURE GAMMA RAY ACTIVATION ANALYSIS, DESIGN OF APPARATUS FOR TRACE ANALYSIS, INTERN, J, APPL, RADIATION ISOTOPES, 19, NO, 1, 15-22 (1968), (ENGLISH) (FRENCH, RUSSIAN AND GERMAN SUMMARIES), DEPARTMENTS OF CHEMISTRY AND NUCLEAR ENGINEERING, UNIVERSITY OF WASHINGTON, SEATTLE, WASHINGTON,

5735 TERRANI, M, * TERRANI, S, QUANTITATIVE ANALYSIS OF FISSILE MATERIALS BY DELAYED NEUTRON EMISSION, ENERG, NUCL, (MILAN), 14, 638-642 (NOVEMBER 1967), (ENGLISH) (ITALIAN SUMMARY), CESNEF, POLITECNICO DI MILANO, ITALY,

5739 VINCENT, H,A, * VOLBORTH, A, HIGH-PRECISION DETERMINATION OF SILICON IN ROCKS BY FAST-NEUTRON ACTIVATION ANALYSIS, NUCL, APPL,, 3, 753-757 (DECEMBER 1967), (ENGLISH), NEVADA MINING ANALYTICAL LABORATORY, MACKAY SCHOOL OF MINES, UNIVERSITY OF NEVADA, RENO, NEVADA,

5740 KORTHOVEN, P,J,M, * WECHTER, M,A, * VOIGT, A,F, DETERMINATION OF GADOLINIUM AND EUROPIUM IN THEIR TUNGSTEN BRONZES BY HIGH ENERGY PHOTON ACTIVATION AND COMPUTER RESOLUTION OF GAMMA-RAY SPECTRA, ANAL, CHEM,, 39, 1594-1598 (NOVEMBER 1967), (ENGLISH), INSTITUTE FOR ATOMIC RESEARCH AND DEPARTMENT OF CHEMISTRY, IOWA STATE UNIVERSITY, AMES, IOWA,

5742 ASPINALL, A, * SLATER, D,N, * MAYES, P, NEUTRON ACTIVATION ANALYSIS OF MEDIEVAL CERAMICS, NATURE, 217, NO, 5126, 388 (1968), (ENGLISH), SCHOOL OF NUCLEAR PHYSICS, UNIVERSITY OF BRADFORD AND EXTRAMURAL DEPARTMENT, UNIVERSITY OF LEEDS, ENGLAND,

5743 SMATHERS, J,B, * LAKSHMANAN, S, * DUFFEY, D, DERIVATIVE ACTIVATION ANALYSIS OF MAGNESIUM, TRANS, AMER, NUCL, SOC,, 10, 448 (NOVEMBER 1967), (ENGLISH), WALTER REED INSTITUTE, WASHINGTON, D,C,, AND UNIVERSITY OF MARYLAND, COLLEGE PARK, MARYLAND,

5744 CAMPBELL, W.W. * ROBINSON, E.L. * FURR, A.K.
A GENERALIZED COMPUTER LIBRARY FOR NEUTRON ACTIVATION ANALYSIS.
TRANS. AMER. NUCL. SOC., 10, 450 (NOVEMBER 1967).
(ENGLISH). VIRGINIA POLYTECHNIC INSTITUTE.

5745 HIMES, D. * POST, R.G. * WACKS, M.E.
COMPLETE COMPUTER ANALYSIS OF NUMBERED GAMMA-RAY SPECTRA.
TRANS. AMER. NUCL. SOC., 10, 449-450 (NOVEMBER 1967). (ENGLISH). UNIVERSITY OF ARIZONA.

5746 BABB, A.L. * MILLER, W.P. * WILSON, W.E., JR. * WOODRUFF, G.L. * NOVOTNY, A.J.
NEUTRON ACTIVATION ANALYSIS OF STABLE DYSPROSIUM BIOLOGICALLY DEPOSITED IN THE BONE OF CHINOOK SALMON FINGERLINGS.
TRANS. AMER. NUCL. SOC., 10, 449 (NOVEMBER 1967).
(ENGLISH). UNIVERSITY OF WASHINGTON AND U.S. BUREAU COMMERCIAL FISHERIES.

5747 CHENG, F.C. * LAKSHMANAN, S. * DUFFEY, D.
DERIVATIVE NEUTRON ACTIVATION ANALYSIS OF FERROUS AND FERRIC IRON.
TRANS. AMER. NUCL. SOC., 10, 448-449 (NOVEMBER 1967). (ENGLISH). A-C. MARYLAND AND UNIVERSITY OF MARYLAND.

5748 WOOD, D.E.
A LIQUID-LOOP ACTIVATION ANALYSIS SYSTEM.
TRANS. AMER. NUCL. SOC., 10, 451 (NOVEMBER 1967).
(ENGLISH). KAMAN NUCLEAR.

5749 KOBAYASHI, M.
SURVEY OF FLOW AND CONTAMINATION OF RIVER BY ACTIVATION ANALYSIS OF NON-RADIOACTIVE TRACER.
GENSHIRYOKU KOGYO, 12, NO. 10, 39-43 (OCTOBER 1966). (JAPANESE). JAPAN ATOMIC ENERGY RESEARCH INSTITUTE.

5750 KRISHNAN, S.S.
DETERMINATION OF GUNSHOT FIRING DISTANCES AND IDENTIFICATION OF BULLET HOLES BY NEUTRON ACTIVATION ANALYSIS.
J. FORENSIC SCI. SOC., 12, 112-122 (JANUARY 1967).
(ENGLISH). THE CENTRE OF FORENSIC SCIENCES, TORONTO, ONTARIO, CANADA.

5751 SKINNER, W.A. * LEAFER, M.A. * PARKHURST, R.M.
INVESTIGATION OF THE USE OF DERIVATIVE NEUTRON ACTIVATION ANALYSIS FOR DRUG ASSAY.
J. PHARM. SCI., 57, NO. 2, 338-340 (1968). (ENGLISH). STANFORD RESEARCH INSTITUTE, MENLO PARK, CALIF.

5752 HOLM, D. * BRISCOE, W. * PARKER, J. * SANDERS, W.M.
DETERMINATION OF OXYGEN IN GERMANIUM BY HE-3 ACTIVATION.
LA-DC-8866, 10P., 1967. (ENGLISH). UNIVERSITY OF CALIFORNIA, LOS ALAMOS SCIENTIFIC LABORATORY, LOS ALAMOS, NEW MEXICO.

5753 KUDO, K.
RADIOACTIVATION ANALYSIS OF ZINC BASED ON THE QUANTITATIVE ISOTOPE DILUTION PRINCIPLE.
RADIOISOTOPES (TOKYO), 16, 199-203 (MAY 1967). (ENGLISH) (JAPANESE SUMMARY). ELECTRICAL COMMUNICATION LABORATORY, NIPPON TELEGRAPH AND TELEPHONE PUBLIC CORPORATION, TOKAI, IBARAKI, JAPAN.

5755 ARNEIL, G.C.
STUDIES IN STRONTIUM METABOLISM. 3. PREFERENTIAL CALCIUM-STRONTIUM RENAL TUBULAR ABSORPTION MEASURED BY ACTIVATION ANALYSIS.
STRONTIUM METABOLISM. LENIHAN, J.M.A., LOUTIT, J.F., MARTIN, J.H. (EDS). LONDON, ACADEMIC PRESS, 67-70, 1967. (ENGLISH). DEPARTMENT OF CHILD HEALTH, ROYAL HOSPITAL FOR SICK CHILDREN, OAKBANK, GLASGOW, SCOTLAND.

5756 PICK, M.A. * DYER, N.C. * BRILL, A.B. * SASTRY, B.V.R.
ANALYSIS OF ACETYLCHOLINE IN BIOLOGICAL SAMPLES BY NEUTRON ACTIVATION ANALYSIS.
CONF-671027-4, 6P., UNDATED. (ENGLISH). VANDERBILT UNIVERSITY, NASHVILLE, TENNESSEE.

5757 MATHUR, S.C. * OLDHAM, G.
INTERFERENCES ENCOUNTERED IN 14 MEV NEUTRON ACTIVATION ANALYSIS.
NUCL. ENERGY, 136-141 (SEPTEMBER-OCTOBER 1967). (ENGLISH). LOUGHBOROUGH UNIVERSITY OF TECHNOLOGY, ENGLAND.

5759 CHAIKA, M, * SABO, E, * LAVRUKHINA, A,K,
INSTRUMENTAL METHOD OF ACTIVATION DETERMINATION OF
MACROCOMPONENT CONTENT IN METEORITES ACCORDING TO
SHORT-LIVED ISOTOPES,
GEOKHIMIYA, NO, 9, 1106-1116 (1967), (RUSSIAN)
(ENGLISH SUMMARY), CENTRAL INSTITUTE OF PHYSICS
OF THE HUNGARIAN ACADEMY OF SCIENCES, BUDAPEST,
HUNGARY AND V,I, VERNADSKY INSTITUTE OF
GEOCHEMISTRY AND ANALYTICAL CHEMISTRY, USSR
ACADEMY OF SCIENCES, MOSCOW, RUSSIA,

5760 SAMSAHL, K,
AUTOMATED NEUTRON ACTIVATION ANALYSIS OF
BIOLOGICAL MATERIAL WITH HIGH RADIATION LEVELS,
ANALYST (LONDON), 93, NO, 1103, 101-106 (1968),
(ENGLISH), AB ATOMENERGI, NYKOPING, SWEDEN,

5761 DE LANGE, P,W, * DE WET, W,J, * TURKSTRA, J, *
VENTER, J,H,
NON-DESTRUCTIVE NEUTRON ACTIVATION ANALYSIS OF
SMALL SAMPLES OF WITWATERSRAND ORE FOR GOLD,
ANAL, CHEM,, 40, NO, 2, 451-454 (1968),
(ENGLISH), ATOMIC ENERGY BOARD, PELINDABA,
PRETORIA, SOUTH AFRICA,

5764 RHODES, J,R,
APPLICATIONS OF NEUTRON ACTIVATION TO ON-STREAM
ANALYSIS,
ORO-2980-17, 31P,, OCTOBER 26, 1967, (ENGLISH),
TEXAS NUCLEAR, AUSTIN, TEXAS,

5765 BELIARD, L, * JANOT, P,
THE DETERMINATION BY IRRADIATION WITH A PULSED
NEUTRON GENERATOR AND DELAYED NEUTRON COUNTING OF
THE AMOUNT OF FISSILE MATERIAL PRESENT IN A
SAMPLE,
CEA-R-3272, 91P,, JULY 1967, (FRENCH) (ENGLISH
SUMMARY), COMMISSARIAT A L ENERGIE ATOMIQUE,
CENTRE D ETUDES NUCLEAIRES, SACLAY, FRANCE,

5766 MOAURO, A,
DETERMINATION OF MN-54 AND IRON IN LONG IRRADIATED
STEEL SAMPLES, APPLICATION OF A LITHIUM-DRIFTED
GERMANIUM DETECTOR,
RT/CHI(67)-16, 16P,, 1967, (ENGLISH), COMITATO
NAZIONALE ENERGIE NUCLEARE, ROME, ITALY,

5767 NYSTROM, A.
EASTERN TRANSLATIONS OF RADIOACTIVE GEOPHYSICS
PROSPECTING LITERATURE.
FTB=5 (BIBL.), 17P., NOVEMBER 1967. (ENGLISH).
AKTIEBOLAGET ATOMENERGI, STUDSVIK, SWEDEN.

5768 LAMB, J.F. * LEE, D.M. * MARKOWITZ, S.S.
SIMULTANEOUS DETERMINATION OF O=18 AND O-16
ISOTOPES BY HE=3 ACTIVATION ANALYSIS.
UCRL=17812, 11P., OCTOBER 1967. (ENGLISH).
UNIVERSITY OF CALIFORNIA, LAWRENCE RADIATION
LABORATORY, BERKELEY, CALIF.

5769 HOLM, D.M. * BRISCOE, W.L. * PARKER, J.L. *
SANDERS, W.M. * PARKER, S.H.
THE DETERMINATION OF OXYGEN AND CARBON IN
GERMANIUM BY HE=3 ACTIVATION.
LA=DC=8994, 31P., 1967. (ENGLISH). UNIVERSITY OF
CALIFORNIA, LOS ALAMOS SCIENTIFIC LABORATORY, LOS
ALAMOS, NEW MEXICO.

5770 DE CARVALHO, A.M.B.
NEUTRON ACTIVATION ANALYSIS OF COPPER COMPOUNDS.
LFEN-NI-26A, 148P., 1965. (PORTUGUESE).
LABORATORIO DE FISICA E ENGENHARIA NUCLEARES,
JUNTA DE ENERGIA NUCLEAR, SAVACEM, PORTUGAL.

5771 LANDSTROM, O. * SAMSAHL, K. * WENNER, C.G.
AN INVESTIGATION OF TRACE ELEMENTS IN MARINE AND
LACUSTRINE DEPOSITS BY MEANS OF A NEUTRON
ACTIVATION METHOD.
AE-296, 40P., OCTOBER 1967. (ENGLISH).
AKTIEBOLAGET ATOMENERGI, STOCKHOLM, SWEDEN.

5772 HOSTE, J. * DE SOETE, D. * SPEECKE, A.
THE DETERMINATION OF OXYGEN IN METALS BY 14=MEV
NEUTRON ACTIVATION ANALYSIS.
EUR=3565E, 72P., JUNE 23, 1967. (ENGLISH).
UNIVERSITY OF GHENT, GHENT, BELGIUM.

5773 MC KIBBEN, J.M.
USE OF REACTION GAMMAS FOR ANALYSIS OF IMPURITIES
IN ALPHA EMITTERS.
DPSPU=66=30-12, 21P., NOVEMBER 1966. (ENGLISH).
SAVANNAH RIVER PLANT, E.I. DU PONT DE NEMOURS AND
COMPANY, AIKEN, S.C.

5774 KARLICEK, V, * KOTT, J,
TRACE ELEMENTS AND NEUTRON ACTIVATION ANALYSIS IN BIOLOGY AND MEDICINE,
CAS, LEK, CESK,, 106, 166-167 (FEBRUARY 19, 1967), (CZECH), CLINIC OF INTERNAL DISEASES, PLZEN, CZECHOSLOVAKIA,

5775 LIEBERMAN, K,W, * EHMANN, W,D,
DETERMINATION OF BROMINE IN STONY METEORITES BY NEUTRON ACTIVATION,
J, GEOPHYSICAL RESEARCH, 72, NO, 24, 6279-6287 (DECEMBER 15, 1967), (ENGLISH), DEPARTMENT OF CHEMISTRY, UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY,

5776 SHIGEMATSU, T, * FUJINO, O, * HONJO, T,
NON-DESTRUCTIVE DETERMINATION OF SILICON (SILICA) IN MARINE SEDIMENTS BY FAST NEUTRON ACTIVATION,
BULL, INST, CHEM, RES,, KYOTO UNIV,, 45, NO, 4-5, 299-306 (1967), (ENGLISH), SHIGEMATSU LABORATORY, JAPAN,

5777 SHIGEMATSU, T, * TABUSHI, M, * AOKI, T, * FUJINO, O, * NISHIKAWA, Y, * GODA, S,
ACTIVATION ANALYSIS OF LANTHANUM AND EUROPIUM IN SEA WATER AND LAKE WATER,
BULL, INST, CHEM, RES,, KYOTO UNIV,, 45, NO, 4-5, 307-317 (1967), (ENGLISH), SHIGEMATSU LABORATORY, JAPAN,

5778 PLAKSIN, I,N, * STARCHIK, L,P, * TUSTANOVSKII, V,T,
ANALYSIS OF RARE EARTH ELEMENTS WITH FAST NEUTRONS,
INDUSTRIAL LABORATORY, 33, NO, 9, 1297-1299 (SEPTEMBER 1967), (ENGLISH TRANSLATION), A,A, SKOCHINSKOV INSTITUTE OF MINING AFFAIRS, RUSSIA,

5779 PLAKSIN, I,N, * MALYSHEVA, N,G, * STARCHIK, L,P, * ZDANOVICH, I,D,
USE OF RADIATIVE NEUTRON-CAPTURE GAMMA QUANTA FOR THE DETERMINATION OF CADMIUM AND BORON IN ENRICHED PRODUCTS,
INDUSTRIAL LABORATORY, 33, NO, 9, 1300-1302 (SEPTEMBER 1967), (ENGLISH TRANSLATION), A,A, SKOCHINSKII INSTITUTE OF MINING, RUSSIA,

5780 NIKOLAENKO, O.K. * SHTAN, A.S.
SENSITIVITY OF OXYGEN DETERMINATION BY
FAST-NEUTRON ACTIVATION.
INDUSTRIAL LABORATORY, 33, NO. 9, 1303-1305
(SEPTEMBER 1967). (ENGLISH TRANSLATION). RUSSIA.

5781 ANDREEV, A.V. * BARIT, I.Y. * PRONMAN, I.M.
DETERMINATION OF THE OXYGEN IN NIOBIUM AND
TITANIUM BY THE METHOD OF ACTIVATION WITH FAST
NEUTRONS.
INDUSTRIAL LABORATORY, 33, NO. 9, 1306-1308
(SEPTEMBER 1967). (ENGLISH TRANSLATION). STATE
SCIENTIFIC-RESEARCH AND PLANNING INSTITUTE OF RARE
METAL PRODUCTION, RUSSIA.

5782 BARIT, I.Y. * KUDINOV, B.S. * MUSAELYAN, R.M. *
PRONMAN, I.M.
DETERMINATION OF NITROGEN IN PURE NIOBIUM BY THE
METHOD OF ACTIVATION WITH NEUTRONS WITH ENERGY OF
14 MEV.
INDUSTRIAL LABORATORY, 33, NO. 9, 1309-1311
(SEPTEMBER 1967). (ENGLISH TRANSLATION). RUSSIA.

5784 DE VOE, J.R.
ACTIVATION ANALYSIS, COCKCROFT-WALTON GENERATOR,
NUCLEAR REACTOR, LINAC, JULY 1966-JUNE 1967.
NBS-TN-428, 90P., NOVEMBER 1967. (ENGLISH).
NATIONAL BUREAU OF STANDARDS, WASHINGTON, D.C.

5785 SAMSAHL, K. * WESTER, P.O. * LANDSTROM, O.
AN AUTOMATIC GROUP SEPARATION SYSTEM FOR THE
SIMULTANEOUS DETERMINATION OF A GREAT NUMBER OF
ELEMENTS IN BIOLOGICAL MATERIAL.
ANAL. CHEM., 40, NO. 1, 181-187 (JANUARY 1968).
(ENGLISH). AB ATOMENERGI, STOCKHOLM, SWEDEN.

5786 ALIMARIN, I.P. * BILIMOVICH, G.N. * YAKOVLEV, Y.V.
RADIOACTIVE DETECTION OF TANTALUM IN HIGH-PURITY
NIOBIUM PENTOXIDE.
INDUSTRIAL LABORATORY, 33, 794-798 (1967).
(ENGLISH TRANSLATION). V.I. VERNAD INSTITUTE OF
GEOCHEMISTRY AND ANALYTICAL CHEMISTRY OF SCIENCES
OF THE USSR, RUSSIA.

5787 ARTYUKHIN, P,I, * GILBERT, E,N, * PRONIN, V,A, * SILVANOVICH, Y,A,
ACTIVATION DETECTION OF IMPURITIES IN SILICON AND ARSENIC,
INDUSTRIAL LABORATORY, 33, NO, 6, 799-800 (1967), (ENGLISH TRANSLATION), INSTITUTE OF INORGANIC CHEMISTRY, SIBERIAN DIVISION, ACADEMY OF SCIENCES OF THE USSR, RUSSIA,

5788 PERLMAN, I, * ASARO, F,
DEDUCTION OF PROVENIENCE OF POTTERY FROM TRACE ELEMENT ANALYSIS,
UCRL-17937, 31P,, OCTOBER 1967, (ENGLISH), UNIVERSITY OF CALIFORNIA, LAWRENCE RADIATION LABORATORY, BERKELEY, CALIF,

5790 PICER, M, * STROHAL, P,
DETERMINATION OF THORIUM AND URANIUM IN BIOLOGICAL MATERIALS,
ANAL, CHIM, ACTA, 40, 131-136 (1968), (ENGLISH) (FRENCH AND GERMAN SUMMARIES), INSTITUTE FOR MEDICAL RESEARCH, YUGOSLAV ACADEMY OF SCIENCES AND ARTS AND RUDER BOSKOVIC INSTITUTE, ZAGREB, YUGOSLAVIA,

5792 BOTTURA, G,
APPLICATION OF THIN-LAYER CHROMATOGRAPHY TO THE SEPARATION OF ORGANIC IONS, II, SEPARATION OF TRACE AMOUNTS (PPM) OF RADIOACTIVE MN AND HG IN SOLID MATRIXES OF AL AND AG,
ANN, CHIM, (ROME), 57, 148-158 (FEBRUARY 1967), (ITALIAN) (FRENCH AND ENGLISH SUMMARIES). CENTRO NAZIONALE DI CHIMICA DELLE RADIAZIONE E DEI RADIOELEMENTI, BOLOGNA, ITALY,

5793 RAUSCH, H, * CSADA, I, * SZABO, E,
NEUTRON ACTIVATION OF TRACE IMPURITIES IN SILICO-CHLOROFORM.
KOZP, FIZ, KUT, INT, KOZLEM,, 15, 229-237 (1967), (HUNGARIAN), HUNGARY,

5808 VAN DEN WINKEL, P, * SPEECKE, A, * HOSTE, J,J,
SEPARATION SCHEME FOR THE DETERMINATION OF NINE ELEMENTS IN BIOLOGICAL MATERIAL,
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES, IAEA VIENNA, 159-172, 1967, (ENGLISH), INSTITUTE FOR NUCLEAR SCIENCES, GHENT UNIVERSITY, BELGIUM,

5847 LENIHAN, J.M.A. * SMITH, H.
ACTIVATION ANALYSIS AND PUBLIC HEALTH. SURVEY PAPER.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES. IAEA VIENNA, 601-614, 1967. (ENGLISH), WESTERN REGIONAL HOSPITAL BOARD AND UNIVERSITY OF GLASGOW, GLASGOW, SCOTLAND.

5848 RAKOVIC, M. * PROUZA, Z.
THE RESONANCE NEUTRONS IN ACTIVATION ANALYSIS, PART 2, DETERMINATION OF GOLD IN BIOLOGICAL MATERIAL BASED ON THE ANALYSIS OF DECAY CURVE.
ISOTOPENPRAXIS, 4, NO. 1, 11-15 (1968). (ENGLISH), DEPARTMENT OF MEDICAL PHYSICS AND NUCLEAR MEDICINE, CHARLES UNIVERSITY AND VETERINARY RESEARCH CENTRE, PRAGUE, CZECHOSLOVAKIA.

5849 U.S. ATOMIC ENERGY COMMISSION
NEUTRON ACTIVATION ANALYSIS AND HELIUM-3 SURFACE ACTIVATION ANALYSIS.
FUNDAMENTAL NUCLEAR ENERGY RESEARCH, 1967, 53, 142-144, 186, 331-332, JANUARY 1968. (ENGLISH). U.S. ATOMIC ENERGY COMMISSION.

5850 LIMA, F.W.
ISOTOPE PRODUCTION AND ACTIVATION ANALYSIS USING RESEARCH REACTORS.
STUDY GROUP MEETING ON RESEARCH REACTOR UTILIZATION, BOGOTA, COLOMBIA, 22P., 11-15 DECEMBER 1967, (ENGLISH). INSTITUTO DE ENERGIA ATOMICA, SAO PAULO, BRAZIL.

5851 LIMA, F.W. * SILVA, C.M.
A SIMPLE GUTZEIT-RADIOCHEMICAL METHOD FOR ACTIVATION ANALYSIS OF ARSENIC IN HAIR.
II INTERAMERICAN RADIOCHEMISTRY CONFERENCE, INTERAMERICAN NUCLEAR ENERGY COMMISSION AND NUCLEAR ENERGY COMMISSION OF MEXICO, MEXICO, D.F., 20P., APARIL 22-25, 1968, (ENGLISH). RADIOCHEMISTRY DIVISION, INSTITUTO DE ENERGIA ATOMICA, SAO PAULO, BRAZIL.

5852 HASKIN, L.A.
ANALYSIS OF ROCKS AND METEORITES BY THE NEUTRON ACTIVATION METHOD.
PREPRINT, 23P., UNDATED. (SPANISH). DEPARTAMENTO DE QUIMICA, UNIVERSIDAD DE WISCONSIN, MADISON, WISCONSIN.

5853 PERDIJON, J.
ACTIVATION ANALYSIS,
COLLECTION DE MONOGRAPHIES DE CHIMIE, 156P., 1967.
(FRENCH), INGENIEUR CIVIL DES MINES, FRANCE.

5854 PLAKSIN, I.N. * DZHEMARDYAN, Y.A. * MALYSHEVA, N.G.
* STARCHIK, L.P.
USE OF CHARGED PARTICLES ASSOCIATED WITH
NEUTRON-INDUCED REACTIONS FOR DETERMINING THE
ISOTOPIC COMPOSITION OF BORON, LITHIUM, AND
HYDROGEN.
RADIOKHIMIYA, 9, 501-504 (1967), (RUSSIAN),
RUSSIA.

5857 GUREEV, E.S. * ISLAMOV, T. * LOBANOV, E.M. *
MIRANSKII, I.A. * KHAIDAROV, A.A.
ON THE POSSIBILITY OF RHENIUM DETERMINATION BY
RADIOACTIVATION ANALYSIS USING AMPULE NEUTRON
SOURCES.
IZV. AKAD. NAUK UZB. SSR. FIZ.-MAT. NAUK, NO. 4,
58-61 (1967), (RUSSIAN), INSTITUTE OF NUCLEAR
PHYSICS, TASHKENT, RUSSIA.

5858 ABDULLAEV, A.A. * ZAKHIDOV, A.S. * GRAKHOV, V.A.
DETERMINATION OF GOLD IN UNDERGROUND WATERS BY
MEANS OF AN (N, GAMMA) REACTION.
IZV. AKAD. NAUK UZB. SSR. SER. FIZ.-MAT. NAUK, NO.
4, 66-68 (1967), (RUSSIAN), INSTITUTE OF NUCLEAR
PHYSICS, TASHKENT, RUSSIA.

5859 LUKAC, P. * TOLGYESSY, J.
USE OF SHORT LIVED RADIONUCLIDES IN ACTIVATION
ANALYSIS.
CHEM. LISTY, 61, NO. 9, 1177-1197 (1967).
(CZECH), KATEDRA RADIOCHEMIE A RADIACNEJ CHEMIE,
CHEMICKOTECHNOLOGICKA FAKULTA SVST, BRATISLAVA,
CZECHOSLOVAKIA.

5860 BRUNE, D. * JIRLOW, K.
DETERMINATION OF MERCURY IN AQUEOUS SAMPLES BY
MEANS OF NEUTRON ACTIVATION ANALYSS WITH AN
ACCOUNT OF FLUX DISTURBANCES.
RADIOCHIM. ACTA, 8, NO. 3, 161-164 (1967).
(ENGLISH) (GERMAN AND FRENCH SUMMARIES). AB
ATOMENERGI, STOCKHOLM AND STUDSVIK, SWEDEN.

5861 WODKIEWICZ, L,
METHODS OF CHEMICAL SEPARATION APPLIED TO ACTIVATION ANALYSIS,
NUKLEONIKA, 10, SUPPL., 83-91 (1965). (POLISH) (ENGLISH AND RUSSIAN SUMMARIES). ZAKLAD CHEMII ANALITCYZNEJ, INSTYUTU BADAN JADROWYCH, WARSZAWA, POLAND,

5862 STRZYZEWSKA, B, * RADWAN, Z, * NOWICKA-JANKOWSKA, T,
ANALYSIS OF RARE EARTHS,
NUKLEONIKA, 10, SUPPL., 309-317 (1965). (POLISH) (ENGLISH AND RUSSIAN SUMMARIES). ZAKLAD CHEMII ANALITYCZNEW, INSTYTUTU BADAN JADROWYCH, WARSZAWA-ZERAN, POLAND,

5863 MINCZEWSKI, J,
DETERMINATION OF TRACE CONTAMINATIONS IN HIGH PURITY MATERIALS,
NUKLEONIKA, 10, SUPPL., 157-167 (1965). (POLISH) (ENGLISH AND RUSSIAN SUMMARIES). ZAKLAD CHEMII ANALITYCZNEJ, INSTYTUT BADAN JADROWYCH, WARSZAWA, POLAND,

5864 ALLINA, Z, * OTWINOWSKI, W,
APPLICATION OF THE METHOD OF NEUTRON ACTIVATION ANALYSIS FOR INVESTIGATING THE PURITY OF VARIOUS MATERIALS,
NUKLEONIKA, 10, SUPPL., 93-99 (1965). (POLISH) (ENGLISH AND RUSSIAN SUMMARIES). ZAKLAD FIZYKI TECHNICZNEJ, INSTYTUTU CHEMII OGOLNEJ, POLAND,

5865 STERLINSKI, A, * ZMIJEWSKA, W,
DETERMINATION OF TRACE IMPURITIES BY NEUTRON ACTIVATION AND GAMMA SPECTROMETRY,
NUKLEONIKA, 10, SUPPL., 71-81 (1965). (POLISH) (ENGLISH AND RUSSIAN SUMMARIES). ZAKLAD CHEMII ANALITYCZNEJ INSTYTUTU BADAN JADROWYCH, WARSZAWA, POLAND,

5866 FLORKOWSKI, T, * GORSKI, L,
RADIOMETRIC METHODS OF INDUSTRIAL CHEMICAL ANALYSIS INVESTIGATED IN THE INSTITUTE OF RADIOISOTOPE TECHNIQUES AGH IN KRAKOW,
NUKLEONIKA, 10, SUPPL., 59-69 (1965). (POLISH) (ENGLISH AND RUSSIAN SUMMARIES). INSTYTUT TECHNIKI JADROWEJ, AKADEMII GORNICZO-HUTNICZEJ, KRAKOW, POLAND,

5867 HATUDA, Z, * NISHIMURA, S, * ASAYAMA, T.
A TRIAL METHOD OF DETERMINING URANIUM AND THORIUM
CONTENT OF ROCKS IN RADIOACTIVE DISEQUILIBRIUM BY
NEUTRON ACTIVATION ANALYSIS,
MEM, COLL. SCI. UNIV, KYOTO, SER, B, 33, 221-226
(MARCH 1967), (ENGLISH), DEPARTMENT OF
GEOLOGICAL SCIENCES, UNIVERSITY OF OSAKA
PREFECTURE, JAPAN.

5868 OKA, Y. * KATO, T. * TSAI, H-T. * NOMURA, K.
AN INTERNAL-MONITOR METHOD FOR THE ACTIVATION
ANALYSIS OF SILVER IN PALLADIUM WITH THERMAL
NEUTRONS,
BULL. CHEM. SOC. JAPAN, 41, NO. 2, 329-333 (1968).
(ENGLISH), DEPARTMENT OF CHEMISTRY, FACULTY OF
SCIENCE, TOHOKU UNIVERSITY, KATAHIRA-CHO, SENDAI,
JAPAN.

5869 DUBINSKAYA, N, * PELEKIS, L, * TSIRKUNOVA, I.
ON TREATING OF HAIR BEFORE NEUTRON ACTIVATION
ANALYSIS,
LATV, PSR ZINAT. AKAD. VESTIS, FIZ. TEH. ZINAT.
SER., NO, 3, 10-18 (1967), (RUSSIAN) (ENGLISH
SUMMARY). INSTITUTE OF PHYSICS, RIGA, RUSSIA,

5870 ABRAMS, I.A. * PELEKIS, L.K.
THE GAMMA-ACTIVATION METHOD FOR THE DETERMINING OF
BR, AG, AND IN IN SOME MATERIALS,
LATV, PSR ZINAT. AKAD. VESTIS, FIZ. TEH. ZINAT,
SER., NO, 5, 45-49 (1967), (RUSSIAN) (ENGLISH
SUMMARY), INSTITUTE OF PHYSICS, RIGA, RUSSIA.

5872 TAKEMOTO, K. * KONDO, M. * IWASAKA, T. * IMOTO, M.
VINYL POLYMERIZATION, 195, EFFECT OF TRACE METALS
ON THE POLYMERIZATION OF METHYL METHACRYLATE IN
THE PRESENCE OF MACROMOLECULES AND WATER,
ACTIVATION ANALYSIS OF METALS IN CELLULOSE AND
SILK,
MAKROMOL. CHEM., 112, 110-115 (1968). (ENGLISH)
(GERMAN SUMMARY), FACULTY OF ENGINEERING, OSAKA
CITY UNIVERSITY, OSAKA, JAPAN.

5873 HOGDAHL, O.
DISTRIBUTION OF THE RARE EARTH ELEMENTS IN SEA
WATER.
NATO RESEARCH GRANT NO, 203, SEMIANNUAL PROGRESS
REPORT NO, 5, 1-25, APRIL 1, 1967 TO SEPT. 30,
1967, (ENGLISH), CENTRAL INSTITUTE FOR
INDUSTRIAL RESEARCH, OSLO, BLINDERN, NORWAY.

5874 RAKOVIC, M.
NON-DESTRUCTIVE NEUTRON ACTIVATION ANALYSIS OF BIOLOGICAL MATERIAL.
ACTA UNIV. CAROL. MED., MONGRAPHIA XXVIII, 1-104 (1967). (ENGLISH) (RUSSIAN SUMMARY). UNIVERSITA KARLOVA, PRAHA, CZECHOSLOVAKIA.

5875 SKLAVENITIS, L.
FINE GAMMA SPECTROMETRY USING P-I-N JUNCTIONS, APPLICATION TO ACTIVATION ANALYSIS.
CEA-BIB-110, 52P., DECEMBER 1967. (FRENCH) (ENGLISH SUMMARY). COMMISSARIAT A L ENERGIE ATOMIQUE, FRANCE.

5884 EHMANN, W.D. * DURBIN, D.R.
SILICON ABUNDANCES IN SOME METEORITES AND STANDARD ROCKS BY ACTIVATION ANALYSIS.
GEOCHIM. COSMOCHIM. ACTA, 32, NO. 4, 461-464 (1968). (ENGLISH). DEPARTMENT OF CHEMISTRY, UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY.

5919 FURUKAWA, Y. * KOYAMA, M. * YUKI, M.
DETERMINATION OF BORON CONTENT IN SEVERAL MEDIUMS BY PROMPT GAMMA RAY ANALYSIS.
RADIOISOTOPES (TOKYO), 16, 499-503 (OCTOBER 1967). (ENGLISH) (JAPANESE SUMMARY). ATOMIC ENERGY RESEARCH LABORATORY OF MUSASHI INSTITUTE OF TECHNOLOGY, JAPAN.

5920 NAGATSUKA, S. * SUZUKI, H. * NAKAJIMA, K. * KOBAYASHI, M.
ACTIVATION ANALYSIS OF BROMINE BY 14 MEV NEUTRONS IN ACTIVABLE TRACER STUDY OF RIVER FLOW.
RADIOISOTOPES (TOKYO), 16, 504-508 (OCTOBER 1967). (ENGLISH) (JAPANESE SUMMARY). TOKYO METROPOLITAN ISOTOPE RESEARCH CENTER, JAPAN ATOMIC ENERGY RESEARCH INSTITUTE, JAPAN.

5921 SAWAI, T. * ALBERT, P.
ACTIVATION ANALYSIS OF OXYGEN IN ALUMINIUM BY USING ALPHA AND HE-3 PARTICLES.
RADIOISOTOPES (TOKYO), 16, 509-513 (OCTOBER 1967). (JAPANESE) (ENGLISH SUMMARY). TOKYO METROPOLITAN ISOTOPE RESEARCH CENTER, JAPAN AND CENTRE D ETUDES DE CHIMIE METALLURGIQUE DU C.N.R.S., FRANCE.

5922 KUDO, K. * YAMAMOTO, K, * KURIYAMA, S.
RADIOACTIVATION ANALYSIS OF CADMIUM BASED ON THE QUANTITATIVE ISOTOPE DILUTION PRINCIPLE.
RADIOISOTOPES (TOKYO), 16, 514-518 (OCTOBER 1967). (ENGLISH) (JAPANESE SUMMARY). ELECTRICAL COMMUNICATION LABORATORY, NIPPON TELEGRAPH AND TELEPHONE PUBLIC CORPORATION, TOKAI, IBARAKI, JAPAN.

5923 TAMURA, M. * YAMAKI, N.
THE DETERMINATION OF OXYGEN AND SULFUR IN PETROLEUM PRODUCTS BY FAST-NEUTRON ACTIVATION ANALYSIS.
RADIOISOTOPES (TOKYO), 16, 519-525 (OCTOBER 1967). (JAPANESE) (ENGLISH SUMMARY). RESOURCES RESEARCH INSTITUTE, JAPAN.

5924 KUSAKA, Y. * CHEN, P-Y, * TSUJI, H, * IMAI, S.
RADIOACTIVATION ANALYSIS OF TRACE ELEMENTS IN RICE PLANT. DETERMINATIONS OF MANGANESE, MAGNESIUM, SODIUM, POTASSIUM, CHLORINE, BROMINE, COPPER, AND ZINC.
RADIOISOTOPES (TOKYO), 16, 526-530 (OCTOBER 1967). (JAPANESE) (ENGLISH SUMMARY). DEPARTMENT OF CHEMISTRY, KONAN UNIVERSITY, HIGASHINADA-KU, KOBE, JAPAN AND INSTITUTE OF NUCLEAR SCIENCE, TSING HUA UNIVERSITY, HSINCHU, TAIWAN, CHINA.

5925 SHIBUYA, M, * YUITA, K, * SUZUKI, K.
STUDIES ON THE NEUTRON ACTIVATION ANALYSIS OF INORGANIC MINOR ELEMENTS IN PLANTS AND SOILS. NON-DESTRUCTIVE METHOD OF THE BROMINE DETERMINATION IN PLANT MATERIALS BY BR-82.
RADIOISOTOPES (TOKYO), 16, 531-536 (OCTOBER 1967). (JAPANESE) (ENGLISH SUMMARY). NATIONAL INSTITUTE OF AGRICULTURAL SCIENCES AND MIYAZAKI PREFECTURAL AGRICULTURAL EXPERIMENTAL STATION, JAPAN.

5926 KIMURA, Y, * MORISHIMA, H, * KOGA, T, * HONDA, Y, * KAWAI, H, * KIMURA, K, * MIYAGUCHI, Y. * NISHIWAKI, Y.
DETERMINATION OF ARSENIC IN BIOLOGICAL MATERIALS BY ACTIVATION ANALYSIS.
RADIOISOTOPES (TOKYO), 16, 537-542 (OCTOBER 1967). (JAPANESE) (ENGLISH SUMMARY). KINKI UNIVERSITY ATOMIC ENERGY RESEARCH INSTITUTE, FACULTY OF SCIENCE AND TECHNOLOGY, KINKI UNIVERSITY, AND TOKYO INSTITUTE OF TECHNOLOGY, JAPAN.

5927 HIGASHI, T, * HISADA, T. * IKEMOTO, S. * TOMURA, K, * NAGAHARA, T,
ACTIVATION ANALYSIS OF CANCEROUS TISSUE. (PART 1),
RADIOISOTOPES (TOKYO), 16, 543-548 (OCTOBER 1967). (JAPANESE) (ENGLISH SUMMARY), DEPARTMENT OF RADIOLOGY, KANAGAWA DENTAL COLLEGE, DEPARTMENT OF PATHOLOGY, KANAGAWA DENTAL COLLEGE AND INSTITUTE FOR ATOMIC ENERGY, RIKKYO UNIVERSITY, JAPAN,

5928 KUDO, K. * ARAKI, H. * FUJIMOTO, M. * SATO, Y.
RADIOACTIVATION ANALYSIS OF COPPER IN GALLIUM ARSENIDE AS SEMICONDUCTOR MATERIAL.
RADIOISOTOPES (TOKYO), 16, 549-550 (OCTOBER 1967). (ENGLISH), ELECTRICAL COMMUNICATION LABORATORY, NIPPON TELEGRAPH AND TELEPHONE PUBLIC CORPORATION, TOKAI, IBARAKI, JAPAN,

5929 YANAGISAWA, I, * YOSHIKAWA, H,
RADIOACTIVATION ANALYSIS OF BROMINE IN HUMAN CEREBROSPINAL FLUID,
RADIOISOTOPES (TOKYO), 16, 554-555 (OCTOBER 1967). (ENGLISH), DEPARTMENT OF BIOCHEMISTRY, FACULTY OF MEDICINE, TOHO UNIVERSITY AND DEPARTMENT OF PHYSIOLOGICAL CHEMISTRY AND NUTRITION, FACULTY OF MEDICINE, UNIVERSITY OF TOKYO, JAPAN,

5930 PATEK, P, * SORANTIN, H,
BEHAVIOUR OF TECHNICAL PAPERS UNDER IRRADIATION. PART 2, DETERMINATION OF TRACE ELEMENTS IN TECHNICAL PAPERS BY NEUTRON ACTIVATION ANALYSIS.
PAPIER, 21, NO. 4, 179-183 (1967). (GERMAN) (ENGLISH AND FRENCH SUMMARIES). INSTITUT FUR CHEMIE, REAKTORZENTRUM SEIBERSDORF, AUSTRIA,

5931 BOGANCS, J. * QUITTNER, P, * SZABO, E.
SERIAL STUDY OF THE CONTAMINANTS OF SILICON USED FOR THE PREPARATION OF SEMICONDUCTORS, BY MEANS OF NONDESTRUCTIVE NEUTRON-ACTIVATION ANALYSIS.
MAGY, KEM, FOLY., 73, 346-349 (AUGUST 1967). (HUNGARIAN), MAGYAR TUDOMANYOS AKADEMIA KOZPONTI FIZIKAI KUTATO INTEZETE, BUDAPEST, HUNGARY,

5932 HUGHES, J.D.H, * ROGERS, G.T,
HIGH-RESOLUTION AUTORADIOGRAPHY OF TRACE BORON IN METALS AND SOLIDS.
J. INST, METALS, 95, 299-302 (OCTOBER 1967). (ENGLISH). WANTAGE RESEARCH LABORATORY, AERE, WANTAGE, BERKS., ENGLAND,

5933 GARBRAH, B.W. * WHITLEY, J.E.
DETERMINATION OF BORON IN GLASS BY THERMAL NEUTRON
CAPTURE GAMMA-RAY ANALYSIS.
GLASS TECHNOL., 8, 154-156 (DECEMBER 1967).
(ENGLISH). SCOTTISH RESEARCH CENTRE, EAST
KILBRIDE, GLASGOW, SCOTLAND.

5934 MARCHETTI, F. * NUCIFORA, G.
DETERMINATION OF SCANDIUM AND CESIUM TRACES IN
FIVE PREDAZZO GRANITES BY NEUTRON ACTIVATION
ANALYSIS.
RIC. SCI., 37, NO. 11, 963-966 (1967). (ITALIAN).
ISTITUTO CHIMICO, G. CIAMICIAN, UNIVERSITA DI
BOLOGNA, ITALY.

5935 GRIMANIS, A.P.
RAPID DETERMINATION OF COPPER IN PLANTS BY NEUTRON
ACTIVATION ANALYSIS.
TALANTA, 15, NO. 3, 279-285 (1968). (ENGLISH)
(FRENCH AND GERMAN SUMMARIES). CHEMISTRY
DEPARTMENT, NUCLEAR RESEARCH CENTER, DEMOCRITOS,
AGHIA PARASKEVI, ATTIKIS, ATHENS, GREECE.

5936 GORDON, G.E. * RANDLE, K. * GOLES, G.G. *
CORLISS, J.B. * BEESON, M.H. * OXLEY, S.S.
INSTRUMENTAL ACTIVATION ANALYSIS OF STANDARD ROCKS
WITH HIGH RESOLUTION GAMMA RAY DETECTORS.
GEOCHIM. COSMOCHIM. ACTA, 32, NO. 4, 369-396
(1968). (ENGLISH). DEPARTMENTS OF CHEMISTRY AND
EARTH SCIENCES, UNIVERSITY OF CALIFORNIA, SAN
DIEGO, LA JOLLA, CALIFORNIA.

5937 SCHULZE, W.
DETERMINATION OF THE GAMMA PEAK AREAS IN
EVALUATION OF ACTIVATION ANALYSIS.
Z. ANAL. CHEM., 234, NO. 6, 401-408 (1968).
(GERMAN) (ENGLISH SUMMARY). INSTITUT FUR
ANORGANISCHE CHEMIE DER FREIEN UNIVERSITAT BERLIN,
GERMANY.

5938 REVEL, G. * ALBERT, P.
DETERMINATION OF OXYGEN IN ZIRCONIUM, MOLYBDENUM,
HAFNIUM, AND TUNGSTEN BY IRRADIATION WITH HE-3 4.
COMPT. REND., SER. C, 265, 1443-1446 (DECEMBER 18,
1967). (FRENCH). CENTRE D ETUDES DE CHIMIE
METALLURGIQUE DU C.N.R.S., VITRY-SUR-SEINE,
VAL-DE-MARNE, FRANCE.

5939 NORMAN, J.C. * HASKIN, L.A.
THE GEOCHEMISTRY OF SC, A COMPARISON TO THE RARE EARTHS AND FE.
GEOCHIM. COSMOCHIM. ACTA, 32, 93-108 (JANUARY 1968). (ENGLISH). CHEMISTRY DEPARTMENT, UNIVERSITY OF WISCONSIN, MADISON, WISCONSIN.

5940 GIJBELS, R. * HOSTE, J.
THE SIMULTANEOUS DETERMINATION OF OSMIUM, RUTHENIUM, IRIDIUM AND GOLD IN PLATINUM BY NEUTRON ACTIVATION ANALYSIS.
ANAL. CHIM. ACTA, 41, NO. 3, 419-429 (1968). (ENGLISH) (FRENCH AND GERMAN SUMMARIES).
INSTITUTE FOR NUCLEAR SCIENCES, GHENT UNIVERSITY, GHENT, BELGIUM.

5941 LEE, H.M.
DETERMINATION OF IMPURITIES IN SINGLE CRYSTALS OF MAGNESIUM OXIDE BY NEUTRON ACTIVATION ANALYSIS.
ANAL. CHIM. ACTA, 41, NO. 3, 431-440 (1968). (ENGLISH) (FRENCH AND GERMAN SUMMARIES).
DEPARTMENT OF PHYSICS, KINGS COLLEGE, LONDON, ENGLAND.

5942 MONNIER, D. * LOEPFE, E.
RAPID RADIOCHEMICAL SEPARATIONS BY EXCHANGE ON MERCURY. REDOX EXCHANGE OF GOLD AND PLATINUM AND SELECTIVE DETERMINATION BY THERMAL NEUTRON ACTIVATION.
ANAL. CHIM. ACTA, 41, NO. 3, 475-481 (1968). (FRENCH) (ENGLISH AND GERMAN SUMMARIES).
LABORATOIRES DE CHIMIE MINERALE ET ANALYTIQUE, UNIVERSITE DE GENEVE, SUISSE.

5943 TOKYO SHIBAURA ELECTRIC CO. LTD.
AUTOMATIC CONTROL APPARATUS FOR ACTIVATION ANALYSIS.
BRITISH PATENT 1,055,657, JANUARY 18, 1967. (ENGLISH). KAWASAKI-SHI, JAPAN.

5944 MOLOKHIA, M.M. * SMITH, H.
TRACE ELEMENTS IN THE LUNG.
ARCH. ENVIRON. HEALTH, 15, 745-750 (DECEMBER 1967). (ENGLISH). GLASGOW, SCOTLAND.

5945 KERTESZ, L.
SIGNIFICANCE OF ACTIVATION ANALYSIS IN MEDICAL SCIENCE.
KISERLETES ORVOSTUDOMANY, 18, 627-634 (1966).
(HUNGARIAN). COLLEGE OF MEDICINE, DEBRECEN, HUNGARY.

5946 BRITISH MEDICAL JOURNAL
ACTIVATION ANALYSIS.
BRIT. MED. J., 2, 509-510 (AUGUST 16, 1967).
(ENGLISH). ENGLAND.

5947 FRISCHAUF, H.
NEUTRON ACTIVATION ANALYSIS IN MEDICINE.
WIEN. KLIN. WOCHENSCH., 77, 916-919 (NOVEMBER 19, 1965). (GERMAN). MEDIZINISCHEN UNIVERSITATSKLINIK, WIEN, AUSTRIA.

5948 ALLEN, R.O., JR.
TRACE ANALYSIS OF HALOGENS BY NEUTRON ACTIVATION.
PROC. IOWA ACAD. SCI., 72, 139-144 (1967).
(ENGLISH). ARGONNE NATIONAL LABORATORY, ARGONNE, ILLINOIS.

5949 PASCU, N.
USE OF GAMMA SPECTROMETRY FOR THE DETERMINATION OF GOLD IN NATIVE GOLD-BEARING MINERALS BY RADIOACTIVATION BY THERMAL NEUTRONS.
REV. ROUM. CHIM., 12, 1123-1126 (SEPTEMBER 1967).
(FRENCH). INSTITUT DE CHIMIE DE L ACADEMIE, CLUJ.

5950 NIEWODENICZANSKI, J. * SULIN, V.V. * VITOZHENC, G.C.
DETERMINATION OF ZINC CONTENT IN UPPER-SILESIAN LEAD-ZINC ORES BY MEANS OF PHOTON ACTIVATION ANALYSIS.
NUKLEONIKA, 12, 1153-1159 (1967). (ENGLISH)
(POLISH AND RUSSIAN SUMMARIES). INSTITUTE OF NUCLEAR TECHNIQUES, ACADEMY OF MINING AND METALLURGY, KRAKOW, POLAND.

5951 BARBE, R.
DETERMINATION OF TOTAL STRONTIUM IN VEGETABLES. COMPARISON OF ACTIVATION ANALYSIS WITH FLAME PHOTOMETRY.
NP-17124, 22P., JUNE 18, 1966. (FRENCH). FACULTE DES SCIENCES, GRENOBLE UNIVERSITY, FRANCE.

5952 KOZIOROWSKI, J. * OSTACHOWICZ, J.
THE CONTROL SEQUENCE SYSTEM FOR AUTOMATIC ACTIVATION ANALYSIS.
NUKLEONIKA, 12, 559-562 (1967). (POLISH) (ENGLISH AND RUSSIAN SUMMARIES). INSTYTUT TECHNIKI JADROWEJ, AKADEMIA GORNICZO-HUTNICZA, KRAKOW, POLAND.

5953 KRAMER, H.H. * MOLINSKI, V.J. * NASS, H.W.
URINALYSIS FOR U-235, AND U-238 BY NEUTRON ACTIVATION ANALYSIS.
HEALTH PHYS., 13, 27-30 (JANUARY 1967).
(ENGLISH). UNION CARBIDE CORPORATION, STERLING FOREST RESEARCH CENTER, TUXEDO, NEW YORK.

5954 REVEL, G. * CHAUDRON, T. * DEBRUN, J-L. * ALBERT, P.
DETERMINATION OF CARBON IN PURE IRON BY IRRADIATION WITH GAMMA PHOTONS.
COMPT. REND., SER. C, 226, 322-324 (JANUARY 29, 1968). (FRENCH). CENTRE D ETUDES DE CHIMIE METALLURGIQUE, VITRY, VAL-DE-MARNE, FRANCE.

5955 PERSIANI, C. * COSGROVE, J.F.
DETERMINATION OF TRACE NICKEL, MANGANSE, COBALT, AND IRON IN ZINC SULFIDE PHOSPHOR BY NEUTRON ACTIVATION.
ELECTROCHEM. TECHNOL., 6, NO. 5-6, 205-207 (1968). (ENGLISH). THE BAYSIDE LABORATORY, RESEARCH CENTER OF GENERAL TELEPHONE AND ELECTRONICS LABORATORIES, INC., BAYSIDE, N.Y.

5956 OBRUSNIK, I. * ADAMEK, A.
REPLACEMENT SUBSTOICHIOMETRY AND ITS APPLICATION IN ACTIVATION ANALYSIS.
TALANTA, 15, NO. 5, 433-440 (1968). (ENGLISH) (FRENCH AND GERMAN SUMMARIES). INSTITUTE OF NUCLEAR RESEARCH OF CZECHOSLOVAK ACADEMY OF SCIENCES, REZ, PRAGUE, CZECHOSLOVAKIA.

5957 SCHUSTER, E. * WOHLLEBEN, K.
ACTIVATION ANALYSIS WITH DEUTERONS. THE TOTAL CROSS-SECTION OF THE REACTION AL-27 (D, P) AL-28 FROM 0.6 TO 3.2 MEV.
INTERN. J. APPL. RADIATION ISOTOPES, 19, NO. 5, 471-474 (1968). (GERMAN) (ENGLISH, FRENCH AND RUSSIAN SUMMARIES). GERMANY.

5958 LINN, T.A., JR. * MOORE, C.B. * SCHMITT, R.A.
NEUTRON ACTIVATION DETERMINATION OF VANADIUM IN
IRON METEORITES AND SULFIDE NODULES.
GEOCHIM. COSMOCHIM. ACTA, 32, NO. 5, 561-564
(1968). (ENGLISH). CHEMISTRY DEPARTMENT AND
CENTER FOR METEORITE STUDIES, ARIZONA STATE
UNIVERSITY, TEMPE, ARIZONA.

5959 SIMON, F.O. * MILLARD, H.T., JR.
DETERMINATION OF GOLD IN ROCKS BY NEUTRON
ACTIVATION ANALYSIS USING FIRE ASSAY
PRECONCENTRATION.
ANAL. CHEM., 40, NO. 7, 1150-1152 (1968).
(ENGLISH). U.S. GEOLOGICAL SURVEY, WASHINGTON,
D.C.

5960 BRUNFELT, A.O. * STEINNES, E.
DETERMINATION OF ANTIMONY IN ROCKS BY NEUTRON
ACTIVATION ANALYSIS.
ANALYST (LONDON), 93, NO. 1106, 286-288 (1968).
(ENGLISH). MINERALOGICAL-GEOLOGICAL MUSEUM,
UNIVERSITY OF OSLO, OSLO, NORWAY.

5961 MASSART, D.L. * HOSTE, J.
ACTIVATION ANALYSIS OF RARE EARTHS. PART I.
SEPARATION OF RARE EARTHS FROM ACCOMPANYING
ELEMENTS.
ANAL. CHIM. ACTA, 42, NO. 1, 7-14 (1968).
(ENGLISH) (FRENCH AND GERMAN SUMMARIES).
INSTITUTE FOR NUCLEAR SCIENCES, GHENT UNIVERSITY,
GHENT, BELGIUM.

5962 MASSART, D.L. * HOSTE, J.
ACTIVATION ANALYSIS OF RARE EARTHS. PART II.
DETERMINATION OF LUTETIUM IN GADOLINITE.
ANAL. CHIM. ACTA, 42, NO. 1, 15-20 (1968).
(ENGLISH) (FRENCH AND GERMAN SUMMARIES).
INSTITUTE FOR NUCLEAR SCIENCES, GHENT UNIVERSITY,
GHENT, BELGIUM.

5963 MASSART, D.L. * HOSTE, J.
ACTIVATION ANALYSIS OF RARE EARTHS. PART III. THE
DETERMINATION OF RARE EARTHS IN MINERALS BY THE
SINGLE COMPARATOR TECHNIQUE.
ANAL. CHIM. ACTA, 42, NO. 1, 21-28 (1968).
(ENGLISH) (FRENCH AND GERMAN SUMMARIES).
INSTITUTE FOR NUCLEAR SCIENCES, GHENT UNIVERSITY,
GHENT, BELGIUM.

5964 MASSART, D.L. * HUSTE, J.
ACTIVATION ANALYSIS OF RARE EARTHS. PART IV. DETERMINATION OF TRACES OF RARE-EARTH IMPURITIES IN GD SUB 2 O SUB 3.
ANAL. CHIM. ACTA, 42, NO. 1, 166-170 (1968). (ENGLISH). INSTITUTE FOR NUCLEAR SCIENCES, GHENT UNIVERSITY, GHENT, BELGIUM.

5965 BERZINA, I.G. * DOLOMANOVA, E.I.
URANIUM CONTENT IN CASSITERITES DETERMINED BY URANIUM FISSION FRAGMENT TRACKS.
DOKL. AKAD. NAUK SSSR, 175, 171-174 (JULY 1, 1967). (RUSSIAN). RUSSIA.

5966 RADWAN, M. * REVENSKA-KOCTSYUK, B. * VEZRANOVSKI, E.
USE OF A NEW METHOD INVOLVING LABELING WITH NONRADIOACTIVE ELEMENTS AND ACTIVATION ANALYSIS TO INVESTIGATE WEAR.
RADIOISOTOPE TRACERS IN INDUSTRY AND GEOPHYSICS. VIENNA, INTERNATIONAL ATOMIC ENERGY AGENCY, 71-79, 1967. (RUSSIAN) (ENGLISH SUMMARY). RUSSIA.

5967 NAKASA, H. * OHNO, H.
APPLICATION OF NEUTRON ACTIVATION ANALYSIS TO STACK-GAS TRACING.
RADIOISOTOPE TRACERS IN INDUSTRY AND GEOPHYSICS. VIENNA, INTERNATIONAL ATOMIC ENERGY AGENCY, 239-250, 1967. (ENGLISH). CENTRAL RESEARCH INSTITUTE OF ELECTRIC POWER INDUSTRY, TOKYO, JAPAN.

5968 BONDY, C. * ROBIN, G. * VIDAL, J.P.
INDUSTRIAL USES OF ACTIVABLE TRACERS IN METALLURGY, GLASSMAKING, AND CHEMISTRY.
RADIOISOTOPE TRACERS IN INDUSTRY AND GEOPHYSICS. VIENNA, INTERNATIONAL ATOMIC ENERGY AGENCY, 429-449, 1967. (FRENCH) (ENGLISH SUMMARY). SOCIETE L ATOME INDUSTRIEL, CHATILLON-SOUS-BAGNEUX, FRANCE.

5969 HIRAYAMA, T. * HAMADA, K. * OSADA, K.
PROCESS ANALYSIS IN CHEMICAL PLANT BY MEANS OF RADIOACTIVE TRACERS.
RADIOISOTOPE TRACERS IN INDUSTRY AND GEOPHYSICS. VIENNA, INTERNATIONAL ATOMIC ENERGY AGENCY, 469-476, 1967. (ENGLISH). SHOWA DENKO K.K., TOKYO, JAPAN.

5970 VAJTA, L. * PALMAI, G. * SZEBENYI, I. * TOTH, G.
NEW RESULTS OF ACTIVATION ANALYTICAL DETERMINATION
OF TRACE ELEMENTS IN VARIOUS CRUDE OILS PROCESSED
IN HUNGARY.
PERIOD. POLYTECH., CHEM. ENG. (BUDAPEST), 11, NO.
3-4, 275-282 (1967). (GERMAN). LEHRSTUHL FUR
CHEMISCHE TECHNOLOGIE, TECHNISCHE UNIVERSITAT,
BUDAPEST, HUNGARY.

5971 ROUTTI, J.T.
GRAPHICAL TECHNIQUE FOR ESTIMATING ACTIVITY LEVELS
PRODUCED IN THERMAL- AND FISSION- NEUTRON
IRRADIATION.
ANAL. CHEM., 40, 593-602 (MARCH 1968). (ENGLISH).
LAWRENCE RADIATION LABORATORY, UNIVERSITY OF
CALIFORNIA, BERKELEY, CALIF.

5972 ATOMIC ENERGY FOR PEACE, BANGKOK
MANGANESE TOXICATION IN THE HUMAN BODY AS
DETERMINED BY ACTIVATION ANALYSIS.
RADIATION SAFETY MANUAL, THAI. AEC-1, 13P.,
DECEMBER 1966. (ENGLISH). OFFICE OF THE ATOMIC
ENERGY FOR PEACE, BANGKOK, THAILAND.

5973 MEINKE, W.W.
SOME COMMENTS ON ACTIVATION ANALYSIS.
PREPRINT, PRESENTED AT THE SECOND INTER-AMERICAN
CONFERENCE ON RADIOCHEMISTRY, APRIL 22-25, 1968,
MEXICO CITY, MEXICO, 10P., 1968. (ENGLISH).
NATIONAL BUREAU OF STANDARDS, ANALYTICAL CHEMISTRY
DIVISION, WASHINGTON, D.C.

5974 LYON, W.S.
PHYSICAL TECHNIQUES OF ACTIVATION ANALYSIS.
SURVEY PAPER.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE
SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM,
8-12 MAY 1967. IAEA VIENNA, 13-32, 1967.
(ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK
RIDGE, TENNESSEE.

5975 WAINERDI, R.E. * MENON, M.P.
COMPARISON OF NUCLEAR ACTIVATION METHODS FOR
BROMINE. INSTRUMENTAL ANALYSES OF PESTICIDES IN
PLANT MATERIALS CLOSE TO THE LIMIT OF SENSITIVITY.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE
SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM,
8-12 MAY 1967. IAEA VIENNA, 33-50, 1967.
(ENGLISH). TEXAS A AND M UNIVERSITY, COLLEGE
STATION, TEXAS.

5976 RYABUKHIN, Y.S.
COMPARISON OF REACTOR ACTIVATION ANALYSIS OF TRACE ELEMENTS IN TISSUE WITH OTHER INSTRUMENTAL METHODS.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES. PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM, 8-12 MAY 1967, IAEA VIENNA, 51-63, 1967. (RUSSIAN) (ENGLISH SUMMARY), INSTITU MEDITSINSKOIY RADIOLOGII, AMN SSSR, OBNINSK, RUSSIA.

5977 COOPER, R.D. * LINEKIN, D.M. * BROWNELL, G.L.
ACTIVATION ANALYSIS OF BIOLOGICAL TISSUE WITHOUT CHEMICAL SEPARATION.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES. PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM, 8-12 MAY 1967, IAEA VIENNA, 65-80, 1967. (ENGLISH). MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MASS.

5978 BREYNAT, G. * FOURCY, A. * GARREC, J.P.
RAPID DETERMINATION OF MAGNESIUM AND ALUMINIUM IN PLANTS BY ACTIVATION WITH 14-MEV NEUTRONS.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES. PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM, 8-12 MAY 1967, IAEA VIENNA, 81-98, 1967. (FRENCH) (ENGLISH SUMMARY), CEA, CENTRE D ETUDES NUCLEAIRES DE GRENOBLE, FRANCE.

5979 ANDERSEN, G.H. * GRABER, F.M. * GUINN, V.P. * LUKENS, H.R. * SETTLE, D.M.
PHOTONUCLEAR ACTIVATION ANALYSIS OF BIOLOGICAL MATERIALS FOR VARIOUS ELEMENTS, INCLUDING FLUORINE.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES. PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM, 8-12 MAY 1967, IAEA VIENNA, 99-113, 1967. (ENGLISH). GENERAL DYNAMICS CORPORATION, SAN DIEGO, CALIF.

5980 GIRARDI, F.
RADIOCHEMICAL SEPARATIONS IN ACTIVATION ANALYSIS OF BIOLOGICAL SPECISENS.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES. PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM, 8-12 MAY 1967, IAEA VIENNA, 117-135, 1967. (ENGLISH), CCR-EURATOM, ISPRA, VARESE, ITALY.

5981 JERVIS, R.E. * WONG, K.Y.
CHROMATOGRAPHIC GROUP SEPARATION SCHEME USED WITH GAMMA SPECTROMETRY FOR MULTI-ELEMENT ACTIVATION ANALYSIS SURVEYS.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM, 8-12 MAY 1967, IAEA VIENNA, 137-158, 1967. (ENGLISH), UNIVERSITY OF TORONTO, TORONTO, CANADA.

5982 BOCK-WERTHMANN, W.
A NEW SODIUM SEPARATION METHOD FOR ACTIVATION ANALYSIS OF BIOLOGICAL MATERIAL.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM, 8-12 MAY 1967, IAEA VIENNA, 173-178, 1967. (ENGLISH), GESELLSCHAFT FUR STRAHLENFORSCHUNG M.B.H., NEUHERBERG, MUNICH, GERMANY.

5983 HEYDORN, K.
IMPROVEMENT OF ACCURACY BY MULTIPLE CARRIER ADDITION FOLLOWED BY RE-IRRADIATION YIELD DETERMINATION IN A SIMPLE METHOD FOR THE DETERMINATION OF ARSENIC IN BIOLOGICAL MATERIAL.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM, 8-12 MAY 1967, IAEA VIENNA, 179-188, 1967. (ENGLISH), GENERAL ATOMIC, SAN DIEGO, CALIFORNIA.

5984 ADAMEK, A. * OBRUSNIK, I. * KUKULA, F. * KRIVANEK, M.
SUBSTOICHIOMETRIC DETERMINATION OF TRACES OF THALLIUM AND PLATINUM BY ACTIVATION ANALYSIS.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM, 8-12 MAY 1967, IAEA VIENNA, 189-194, 1967. (ENGLISH), INSTITUTE OF PHYSICS OF THE SLOVAK ACADEMY OF SCIENCES, BRATISLAVA, CZECHOSLOVAKIA.

5985 SMITH, G.W. * BECKER, D.A.
PREPARATION OF AN NBS BIOLOGICAL STANDARD REFERENCE MATERIAL FOR TRACE ELEMENTAL ANALYSIS.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM, 8-12 MAY 1967, IAEA VIENNA, 197-207, 1967. (ENGLISH), INSTITUTE FOR MATERIALS RESEARCH, NATIONAL BUREAU OF STANDARDS, WASHINGTON, D.C.

5986 MORRISON, G.H.
TRACE ANALYSIS OF BIOLOGICAL MATERIALS BY MASS SPECTROMETRY AND ISOTOPE DILUTION. SURVEY PAPER.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM, 8-12 MAY 1967, IAEA VIENNA, 211-228, 1967. (ENGLISH). CORNELL UNIVERSITY, ITHACA, N.Y.

5987 GIRARDI, F. * PAULY, J. * SABBIONI, E. * VOS, G.
ELEMENTAL ANALYSIS OF A BIOLOGICAL STANDARD REFERENCE MATERIAL BY NON-DESTRUCTIVE METHODS. COMPARISON BETWEEN RADIOACTIVATION ANALYSIS AND X-RAY FLUORESCENCE SPECTROSCOPY.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM, 8-12 MAY 1967. IAEA VIENNA, 229-246, 1967. (ENGLISH). CCR-EURATOM, ISPRA, ITALY.

5988 HERRMANN, R. * LANG, W.
ATOMIC ABSORPTION AND FLAME EMISSION SPECTROMETRY IN TRACE ANALYSIS OF BIOLOGICAL MATERIALS.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES. PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM, 8-12 MAY 1967. IAEA VIENNA, 247-265, 1967. (ENGLISH). UNIVERSITATS-HAUTKLINIK, GIESSEN, GERMANY.

5989 VAN PUYMBROECK, S. * JACQUEMIN, R. * COLARD, J. * KIRCHMANN, R. * VAN DER BORGHT, O.
DETERMINATION OF STABLE STRONTIUM IN BIOLOGICAL SAMPLES BY ATOMIC ABSORPTION, FLAME SPECTROPHOTOMETRY AND ACTIVATION ANALYSIS METHODS.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM, 8-12 MAY 1967, IAEA VIENNA, 267-284, 1967. (FRENCH) (ENGLISH SUMMARY). CENTRE D ETUDE DE L ENERGIE NUCLEAIRE, MOL-DONK, BELGIQUE.

5990 BOWEN, H.J.M.
ACTIVATION ANALYSIS IN BOTANY AND AGRICULTURE. SURVEY PAPER.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM, 8-12 MAY 1967. IAEA VIENNA, 287-299, 1967. (ENGLISH). UNIVERSITY OF READING, READING, BERKS., ENGLAND.

5991 TRAVESI, A, * LEE, Y.Y.
IDENTIFICATION AND DETERMINATION OF TRACE ELEMENTS
IN RICE SEEDS BY NEUTRON ACTIVATION ANALYSIS.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE
SCIENCES. PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM,
8-12 MAY 1967, IAEA VIENNA, 301-324, 1967.
(SPANISH) (ENGLISH SUMMARY), DIVISION DE QUIMICA
NUCLEAR, JUNTA DE ENERGIA NUCLEAR, MADRID, ESPANA.

5992 FENDRIK, I, * GLUBRECHT, H.
INVESTIGATIONS OF THE PROPAGATION OF PLANT POLLEN
BY AN INDICATOR ACTIVATION METHOD.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE
SCIENCES. PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM,
8-12 MAY 1967, IAEA VIENNA, 325-333, 1967.
(ENGLISH), TECHNISCHE HOCHSCHULE, HANOVER,
GERMANY.

5993 SPRONK, N.
NUCLEAR ACTIVATION IN THE ANIMAL SCIENCES. SURVEY
PAPER.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE
SCIENCES. PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM,
8-12 MAY 1967, IAEA VIENNA, 335-352, 1967.
(ENGLISH), FREE UNIVERSITY, AMSTERDAM,
NETHERLANDS.

5994 DUFTSCHMID, K.E. * LEIBETSEDER, J.
INVESTIGATIONS OF THE CONNECTION BETWEEN VITAMIN E
DEFICIENCY AND THE SELENIUM CONTENT IN ANIMAL
ORGANS.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE
SCIENCES. PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM,
8-12 MAY 1967, IAEA VIENNA, 353-363, 1967.
(ENGLISH), REAKTOR-ZENTRUM SEIBERSDORF AND
TIERARZTLICHE HOCHSCHULE, VIENNA, AUSTRIA.

5995 PAPADOPOULOU, C.P. * CAZIANIS, C.T. * GRIMANIS, A.P.
NEUTRON ACTIVATION ANALYSIS OF VANADIUM, COPPER,
ZINC, BROMINE AND IODINE IN PYURA MICROCOSMUS.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE
SCIENCES. PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM,
8-12 MAY 1967, IAEA VIENNA, 365-377, 1967.
(ENGLISH), DEMOCRITUS NUCLEAR RESEARCH CENTRE,
ATHENS, GREECE.

5996 DAS, H.A. * VAN RAAPHORST, J.G. * MENGER, J.W. * GALESLOOT, T.E.
MANGANESE DETERMINATION AT THE PP10 EXPON 9 LEVEL IN DAIRY PRODUCTS.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM, 8-12 MAY 1967, IAEA VIENNA, 379-387, 1967.
(ENGLISH). REACTOR CENTRUM NEDERLAND.

5997 TAYLOR, D.M.
ACTIVATION ANALYSIS IN HUMAN BIOCHEMISTRY.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM, 8-12 MAY 1967, IAEA VIENNA, 391-401, 1967.
(ENGLISH). INSTITUTE OF CANCER RESEARCH, SUTTON, SURREY, ENGLAND.

5998 COMAR, D. * KELLERSHOHN, C.
USE OF RADIOACTIVATION ANALYSIS IN MEDICINE.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM, 8-12 MAY 1967, IAEA VIENNA, 403-417, 1967.
(ENGLISH). SERVICE HOSPITALIER FREDERIC JOLIOT, COMMISSARIAT A L ENERGIE ATOMIQUE, ORSAY, FRANCE.

5999 COTTINO, F. * MAGRO, G. * MALVANO, R.
NEUTRON ACTIVATION ANALYSIS FOR THE STUDY OF IODINE BALANCE IN MAN.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM, 8-12 MAY 1967, IAEA VIENNA, 419-425, 1967.
(ENGLISH). OSPEDALE MAURIZIANO, TORINO, ITALY.

6000 TANG, C.W. * TOMLINSON, R.H.
DETERMINATION OF PROTEIN-BOUND IODINE BY ACTIVATION ANALYSIS.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM, 8-12 MAY 1967, IAEA VIENNA, 427-434, 1967.
(ENGLISH). MC MASTER UNIVERSITY, HAMILTON, ONTARIO, CANADA.

6001 SKLAVENITIS, H, * COMAR, D, ACTIVATION ANALYSIS FOR STUDYING BROMINE METABOLISM IN MAN. NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM, 8-12 MAY 1967, IAEA VIENNA, 435-444, 1967, (FRENCH) (ENGLISH SUMMARY), SERVICE HOSPITALIER FREDERIC JOLIOT, COMMISSARIAT A L ENERGIE ATOMIQUE, ORSAY, FRANCE,

6002 CARR, T,E,F, * SUTTON, A, MEASUREMENT OF STRONTIUM AND BARIUM IN SMALL VOLUMES OF PLASMA BY ACTIVATION ANALYSIS AND SUBSEQUENT ESTIMATES OF THE DIURNAL VARIATION OF THESE ELEMENTS IN HUMAN PLASMA. NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM, 8-12 MAY 1967, IAEA VIENNA, 445-454, 1967, (ENGLISH), MEDICAL RESEARCH COUNCIL, HARWELL, DIDCOT, BERKS,, ENGLAND,

6003 NIXON, G,S, * SMITH, H, * LIVINGSTON, H,D, TRACE ELEMENTS IN HUMAN TOOTH ENAMEL, NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM, 8-12 MAY 1967, IAEA VIENNA, 455-462, 1967, (ENGLISH), TURNER DENTAL SCHOOL, UNIVERSITY OF MANCHESTER, MANCHESTER, ENGLAND AND DEPARTMENT OF FORENSIC MEDICINE, UNIVERSITY OF GLASGOW, GLASGOW, SCOTLAND,

6004 STUBBINS, M, * FREMLIN, J,H, DISTRIBUTION OF CARBON, CALCIUM AND PHOSPHORUS IN DENTAL ENAMEL STUDIED BY CHARGED-PARTICLE ACTIVATION ANALYSIS, NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM, 8-12 MAY 1967, IAEA VIENNA, 463-478, 1967, (ENGLISH), UNIVERSITY OF BIRMINGHAM, BIRMINGHAM, ENGLAND,

6005 ORDOGH, M, * MIRISZLAI, E, ELECTROLYTE BALANCE OF THE INNER EAR INVESTIGATED BY NEUTRON ACTIVATION ANALYSIS OF THE SODIUM AND POTASSIUM CONTENT, NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM, 8-12 MAY 1967, IAEA VIENNA, 479-489, 1967, (ENGLISH), MEDICAL UNIVERSITY OF BUDAPEST, BUDAPEST, HUNGARY,

6006 BIRD, E.D. * GRANT, L.G. * ELLIS, W.H.
MEASUREMENT OF THE EFFECT OF PHENOTHIAZINE ON THE
MANGANESE CONCENTRATION IN THE BASAL GANGLIA OF
SUB-HUMAN PRIMATES BY ACTIVATION ANALYSIS.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE
SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM,
8-12 MAY 1967, IAEA VIENNA, 491-499, 1967,
(ENGLISH), UNIVERSITY OF FLORIDA, GAINESVILLE,
FLORIDA,

6007 WORWOOD, M. * TAYLOR, D.M.
HEPATIC COPPER AND CIRRHOSIS.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE
SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM,
8-12 MAY 1967, IAEA VIENNA, 501-510, 1967,
(ENGLISH), INSTITUTE OF CANCER RESEARCH, SUTTON,
SURREY, ENGLAND,

6008 GIOVANNETTI, S. * MAGGIORE, Q. * MALVANO, R.
NEUTRON ACTIVATION ANALYSIS OF TRACE ELEMENTS IN
PLASMA FROM NORMAL SUBJECTS AND FROM CHRONIC
URAEMIC PATIENTS.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE
SCIENCES. PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM,
8-12 MAY 1967, IAEA VIENNA, 511-515, 1967,
(ENGLISH), UNIVERSITY OF PISA, PISA, ITALY.

6009 KJELLIN, K.G.
TRACE ELEMENTS IN THE CEREBROSPINAL FLUID.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE
SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM,
8-12 MAY 1967, IAEA VIENNA, 517-532, 1967,
(ENGLISH), KAROLINSKA SJUKHUSET, STOCKHOLM,
SWEDEN,

6010 BETHARD, W.F. * SCHMITT, R.A. * OLEHY, D.A. *
KAPLAN, S.A. * LING, S.M. * SMITH, R.H. *
MOLLE, E.D.
ENRICHED STABLE ISOTOPES OF CALCIUM FOR THE STUDY
OF CALCIUM METABOLISM IN CHILDREN.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE
SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM,
8-12 MAY 1967, IAEA VIENNA, 533-544, 1967,
(ENGLISH), GENERAL DYNAMICS CORPORATION, SAN
DIEGO, CALIF.

6011 DUBOIS, J. * COLARD, J. * VIS, H.L.
NEUTRON ACTIVATION FOR STUDYING HYDROELECTROLYTIC
DISORDERS IN CHILD PATHOLOGY.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE
SCIENCES. PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM,
8-12 MAY 1967, IAEA VIENNA, 545-556, 1967.
(FRENCH) (ENGLISH SUMMARY). HOSPITAL
UNIVERSITAIRE ST. PIERRE, BRUXELLES, BELGIQUE.

6012 PERKINS, R.W. * HALLER, W.A. * THORPE, J.D.
TRACE ELEMENT ANALYSIS OF HUMAN LUNG TISSUE BY
NEUTRON ACTIVATION AND INSTRUMENTAL ANALYSIS.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE
SCIENCES. PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM,
8-12 MAY 1967, IAEA VIENNA, 557-566, 1967.
(ENGLISH). BATTELLE MEMORIAL INSTITUTE, PACIFIC
NORTHWEST LABORATORY, RICHLAND, WASHINGTON.

6013 VAN KOOTEN, W.J. * MALI, J.W.H. * DE GOEIJ, J.J.M.
* HOUTMAN, J.P.W.
DETERMINATION OF CHROMIUM CONTENT IN HUMAN SKIN BY
MEANS OF NEUTRON ACTIVTION ANALYSIS.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE
SCIENCES. PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM,
8-12 MAY 1967, IAEA VIENNA, 567-572, 1967.
(ENGLISH). R.K. UNIVERSITEIT, NIJMEGEN AND
REACTOR INSTITUTE, DELFT, NETHERLANDS.

6014 BATTYE, C.K. * TOMLINSON, R.W.S. * ANDERSON, J. *
OSBORN, S.B.
EXPERIMENTS RELATING TO WHOLE-BODY ACTIVATION
ANALYSIS IN MAN IN VIVO USING 14-MEV INCIDENT
NEUTRONS.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE
SCIENCES. PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM,
8-12 MAY 1967. IAEA VIENNA, 573-582, 1967.
(ENGLISH). KINGS COLLEGE HOSPITAL AND MEDICAL
SCHOOL, LONDON, ENGLAND.

6015 BODDY, K. * ALEXANDER, W.D.
CLINICAL EXPERIENCE OF IN-VIVO ACTIVATION ANALYSIS
OF IODINE IN THE THYROID GLAND.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE
SCIENCES. PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM,
8-12 MAY 1967, IAEA VIENNA, 583-597, 1967.
(ENGLISH). SCOTTISH RESEARCH REACTOR CENTRE, EAST
KILBRIDE AND WESTERN INFIRMARY, GLASGOW, SCOTLAND.

6016 MERLINI, M, * GIRARDI, F, * POZZI, G,
ACTIVATION ANALYSIS IN STUDIES OF AN AQUATIC ECOSYSTEM,
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM, 8-12 MAY 1967, IAEA VIENNA, 615-629, 1967, (ENGLISH), EURATOM-CCR, ISPRA, ITALY,

6017 WINCHESTER, J.W, * DUCE, R.A,
NEUTRON ACTIVATION ANALYSIS OF LEAD POLLUTION AEROSOLS,
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM, 8-12 MAY 1967, IAEA VIENNA, 631-643, 1967, (ENGLISH), UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN AND UNIVERSITY OF HAWAII, HONOLULU, HAWAII,

6018 JERVIS, R,E,
ACTIVATION ANALYSIS IN FORENSIC SCIENCE,
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM, 8-12 MAY 1967, IAEA VIENNA, 645-659, 1967, (ENGLISH), UNIVERSITY OF TORONTO, TORONTO, CANADA,

6019 VAN DEN BERG, A,J, * DE BRUIN, M, * HOUTMAN, J.P.W,
SORPTION BEHAVIOUR OF TRACE ELEMENTS IN HUMAN HAIR,
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM, 8-12 MAY 1967, IAEA VIENNA, 661-679, 1967, (ENGLISH), REACTOR INSTITUTE, DELFT, NETHERLANDS,

6020 BRYAN, D,E, * GUINN, V,P, * SETTLE, D.M,
ACTIVATION ANALYSIS OF BIOLOGICAL SAMPLES OF FORENSIC INTEREST,
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM, 8-12 MAY 1967, IAEA VIENNA, 681-694, 1967, (ENGLISH), GENERAL DYNAMICS CORPORATION, SAN DIEGO, CALIF,

6021 PRO, M,J, * SCHLESINGER, H,L, * HOFFMAN, C,M,
APPLICATION OF NEUTRON ACTIVATION ANALYSIS IN CRIMINALISTICS,
AEC UNNUMBERED REPORT, 96P,, NOVEMBER 1965, (ENGLISH), U.S, TREASURY DEPARTMENT, INTERNAL REVENUE SERVICE, WASHINGTON, D.C,

6022 PASZTOR, E,
THE NA-2 NEUTRON GENERATOR AND ITS APPLICATIONS.
ISOTOPENPRAXIS, 3, 259-261 (JULY 1967).
(ENGLISH). HUNGARIAN ACADEMY OF SCIENCES, CENTRAL
RESEARCH INSTITUTE FOR PHYSICS.

6023 LUNDE, G,
ACTIVATION ANALYSIS OF BROMINE, IODINE AND ARSENIC
IN OILS FROM FISHES, WHALES, PHYTO- AND
ZOOPLANKTON OF MARINE AND LIMNETIC BIOTOPES.
INT. REV. GESAM. HYDROBIOL., 52, 265-279 (1967).
(ENGLISH). CENTRAL INSTITUTE FOR INDUSTRIAL
RESEARCH, OSLO, NORWAY,

6024 KRIVANEK, M. * KUKULA, F,
SUBSTOICHIOMETRIC DETERMINATION OF PLATINUM BY
ACTIVATION ANALYSIS,
ISOTOPENPRAXIS, 3, 441-443 (1967). (RUSSIAN).
RUSSIA,

6025 GUINN, V.P,
NEUTRON ACTIVATION ANALYSIS AND ITS FORENSIC
APPLICATIONS,
GA-8171, 7-40, 1967, (ENGLISH). GENERAL
DYNAMICS, GENERAL ATOMIC DIVISION, SAN DIEGO,
CALIF.

6026 KIRK, P.L.
SOME CRIMINALISTICS PROBLEMS, AND NEUTRON
ACTIVATION ANALYSIS,
GA-8171, 41-48, 1967, (ENGLISH). SCHOOL OF
CRIMINOLOGY, UNIVERSITY OF CALIFORNIA, BERKELEY,
CALIF.

6027 LENIHAN, J.M.A,
ORGANIZATION AND EQUIPMENT OF AN ACTIVATION
ANALYSIS LABORATORY,
GA-8171, 49-62, 1967, (ENGLISH). WESTERN
REGIONAL HOSPITAL BOARD, GLASGOW, SCOTLAND.

6028 LEDDICOTTE, G.W,
EARLY FORENSIC NEUTRON ACTIVATION ANALYSIS STUDIES
AT THE OAK RIDGE NATIONAL LABORATORY,
GA-8171, 63-78, 1967, (ENGLISH). UNIVERSITY OF
MISSOURI, COLUMBIA, MISSOURI,

6029 WAHLGREN, M.A.
APPLICATION OF SPECIAL COUNTING TECHNIQUES TO FORENSIC PROBLEMS,
GA-8171, 79-102, 1967, (ENGLISH), CHEMISTRY DIVISION, ARGONNE NATIONAL LABORATORY, ARGONNE, ILLINOIS,

6030 PRO, M.J. * SCHLESINGER, H.L. * HOFFMAN, C.M.
FORENSIC APPLICATIONS OF NEUTRON ACTIVATION ANALYSIS,
GA-8171, 103-116, 1967, (ENGLISH), ALCOHOL AND TOBACCO TAX DIVISION, LABORATORY BRANCH, INTERNAL REVENUE SERVICE, WASHINGTON, D.C.

6031 SAYRE, E.V.
REVELATION OF INTERNAL STRUCTURE OF PAINTINGS THROUGH NEUTRON ACTIVATION AUTORADIOGRAPHY,
GA-8171, 119-132, 1967, (ENGLISH), CHEMISTRY DEPARTMENT, BROOKHAVEN NATIONAL LABORATORY, UPTON, N.Y.

6032 BRYAN, D.E.
THE COMPARISON OF PAINT SAMPLES BY NEUTRON ACTIVATION ANALYSIS,
GA-8171, 133-144, 1967, (ENGLISH), GENERAL DYNAMICS, GENERAL ATOMIC DIVISION, SAN DIEGO, CALIF.

6033 SETTLE, D.M.
NEUTRON ACTIVATION AND PHOTONUCLEAR ACTIVATION ANALYSIS OF GLASS SAMPLES,
GA-8171, 147-160, 1967, (ENGLISH), GENERAL ATOMIC DIVISION, GENERAL DYNAMICS CORPORATION, SAN DIEGO, CALIF.

6034 GUINN, V.P.
THE DETERMINATION OF TRACES OF BARIUM AND ANTIMONY IN GUNSHOT RESIDUES BY ACTIVATION ANALYSIS,
GA-8171, 161-176, 1967, (ENGLISH), GENERAL DYNAMICS, GENERAL ATOMIC DIVISION, SAN DIEGO, CALIF.

6035 KRISHNAN, S.S.
DISTANCE DETERMINATION OF GUNSHOT FIRINGS BY NEUTRON ACTIVATION ANALYSIS,
GA-8171, 177-188, 1967, (ENGLISH), ATTORNEY-GENERALS LABORATORY, PROVINCE OF ONTARIO, TORONTO, CANADA,

6036 SCHLESINGER, H,L, * HOFFMAN, C.M. * PRO, M.J.
BULLET RESIDUE TRANSFERENCE TO VARIOUS MATERIALS,
GA-8171, 189-196, 1967, (ENGLISH). ALCOHOL AND
TOBACCO TAX DIVISION, LABORATORY BRANCH, INTERNAL
REVENUE SERVICE, WASHINGTON, D.C.

6037 PERKONS, A,K,
INDIVIDUALIZATION OF HUMAN HEAD HAIR,
GA-8171, 221-236, 1967, (ENGLISH). THE CENTRE OF
FORENSIC SCIENCES, TORONTO, ONTARIO, CANADA.

6038 SMYTHE, L.E. * RYAN, W,P,
NEUTRON ACTIVATION ANALYSIS OF SOME HAIR SAMPLES
AS EVIDENCE FOR AN AUSTRALIAN COURT,
GA-8171, 237-246, 1967, (ENGLISH). ANALYTICAL
CHEMISTRY DIVISION, AUSTRALIAN ATOMIC ENERGY
COMMISSION RESEARCH ESTABLISHMENT, LUCAS HEIGHTS,
SYDNEY, AUSTRALIA.

6039 LIMA, F,W,
EXOGENOUS CONTAMINATION OF HAIR BY CAPILLARY
ACTION OF ARSENIC SOLUTIONS,
GA-8171, 261-278, 1967, (ENGLISH). INSTITUTO DE
ENERGIA ATOMICA, SAO PAULO, BRAZIL.

6040 ERICKSON, N,E.
ARSENIC IN HAIR,
GA-8171, 279-286, 1967, (ENGLISH). THE CENTRE OF
FORENSIC SCIENCES, TORONTO, CANADA.

6041 JERVIS, R,E,
THE VALUE OF NEUTRON ACTIVATION ANALYSIS HAIR
COMPARISONS IN FORENSIC INVESTIGATIONS -- A
CRITIQUE,
GA-8171, 287-294, 1967, (ENGLISH). DEPARTMENT OF
CHEMICAL ENGINEERING AND APPLIED CHEMISTRY,
UNIVERSITY OF TORONTO, TORONTO, CANADA.

6042 SMITH, H,
ACTIVATION ANALYSIS IN FORENSIC SCIENCE USING
RADIOCHEMICAL SEPARATIONS,
GA-8171, 295-314, 1967, (ENGLISH). DEPARTMENT OF
FORENSIC MEDICINE, THE UNIVERSITY, GLASGOW,
SCOTLAND,

6043 MASSART, D,L, * HOSTE, J,
ACTIVATION ANALYSIS STUDY OF THE ISOTOPIC
FRACTIONATION OF RARE EARTH OXIDES,
BULL, SOC, CHIM, BELGES, 77, NO, 3-4, 166-170
(1968), (FRENCH), INSTITUUT NUCLEAIRE
WETENSCHAPPEN, PROEFUINSTRAAT, GENT,

6044 SACHA, J,
DETERMINATION OF THE CALCIUM CONTENT OF NACL BY
ACTIVATION ANALYSIS,
FYZ, CAS,, 17, NO, 2, 73-81 (1967), (CZECH),
BRATISALVA, CZECHOSLOVAKIA,

6045 KOBAYSHI, M,
APPLICATION OF RADIOACTIVATION ANALYSIS FOR
CRIMINAL INVESTIGATION,
GENSHIRYOKU KOGYO, 13, NO, 12, 43-46 (1967),
(JAPANESE), JAPAN ATOMIC ENERGY RESEARCH
INSTITUTE, ORAI-CHO, IBARAKI, JAPAN,

6046 KOWALSKI, B,R, * ISENHOUR, T,L,
AN ANALYTICAL FUNCTION FOR DESCRIBING GAMMA-RAY
PULSE-HEIGHET DISTRIBUTIONS IN NAL(TI)
SCINTILLATORS,
ANAL, CHEM,, 40, NO, 8, 1186-1193 (JULY 1968),
(ENGLISH), DEPARTMENT OF CHEMISTRY, UNIVERSITY OF
WASHINGTON, SEATTLE, WASHINGTON,

6047 ALEXANDER, W,D, * HARDEN, R,M, * BODDY, K,
ACTIVATION ANALYSIS,
BRIT, MED, J,, 1, 799 (SEPTEMBER 23, 1967),
(ENGLISH), UNIVERSITY DEPARTMENT OF MEDICINE,
GARDINER INSTITUTE, WESTERN INFIRMARY, GLASGOW,
SCOTLAND,

6048 HOFFMAN, C,M, * BRUNELLE, R,L, * PRO, M,J, *
MARTIN, G,E,
DETERMINATION OF TRACE COMPONENT DISTRIBUTION IN
ILLICIT SPIRITS BY NEUTRON ACTIVATION ANALYSIS,
ATOMIC ABSORPTION, AND GAS-LIQUID CHROMATOGRAPHY,
J, ASSN, OFFIC, ANAL, CHEM,, 51, NO, 3, 580-586
(1968), (ENGLISH), ALCOHOL AND TOBACCO TAX
DIVISION, INTERNAL REVENUE SERVICE, WASHINGTON,
D,C,

6049 COSGROVE, J.F. * OBLAS, D.W. * WALTERS, R.M. * BRACCO, D.J.
METHOD FOR TRACE ANALYSIS OF RARE EARTHS.
ELECTROCHEM. TECHNOL., 6, 137-141 (MARCH-APRIL 1968). (ENGLISH). THE BAYSIDE LABORATORY, RESEARCH CENTER OF GENERAL TELEPHONE AND ELECTRONICS LABORATORIES INC., BAYSIDE, N.Y.

6050 LINN, T.A., JR. * MOORE, C.B.
NEUTRON ACTIVATION DETERMINATION OF GOLD IN IRON METEORITES AND INCLUSIONS.
EARTH PLANET. SCI. LETT., 3, 453-456 (FEBRUARY 1968). (ENGLISH). DEPARTMENT OF CHEMISTRY AND CENTER FOR METEORITE STUDIES, ARIZONA STATE UNIVERSITY, TEMPE, ARIZONA.

6051 LEDDICOTTE, G.W.
ULTRATRACE-ELEMENT RESEARCH IN THE LIFE SCIENCES USING ACTIVATION ANALYSIS.
ISOTOP. RADIAT. TECHNOL., 5, 200-206 (SPRING 1968). (ENGLISH). NUCLEAR ENGINEERING AND RADIOLOGICAL SCIENCE, RESEARCH REACTOR FACILITY, UNIVERSITY OF MISSOURI, COLUMBIA, MISSOURI.

6052 LUNDE, G.
ANALYSIS OF ARSENIC IN MARINE OILS BY NEUTRON ACTIVATION. EVIDENCE OF ARSENO ORGANIC COMPOUNDS.
J. AMER. OIL CHEM. SOC., 45, NO. 5, 331-332 (1968). (ENGLISH). CENTRAL INSTITUTE FOR INDUSTRIAL RESEARCH, BLINDERN, OSLO, NORWAY.

6053 ALEKSANDROVA, G.I. * DEMIDOV, A.M. * KOTELNIKOV, G.A. * PLASHAKOVA, G.P. * SUKHOV, G.V. * CHOPOROV, D.Y. * SHMANENKOVA, G.I.
DETERMINATION OF OXYGEN CONTENT IN GERMANIUM AND SILICON BY ACTIVATION WITH HE-3 IONS.
SOVIET ATOMIC ENERGY, 23, NO. 2, 787-801 (1967). (ENGLISH TRANSLATION). RUSSIA.

6054 MINCZEWSKI, J. * FOLDZINSKA, A.
NEUTRON-ACTIVATION DETERMINATION OF RHENIUM IN MOLYBDENITES AND COPPER ORES.
J. ANAL. CHEM., USSR, 22, NO. 10, 1272-1275 (1967). (ENGLISH TRANSLATION). INSTITUTE OF NUCLEAR RESEARCH, WARSAW, POLAND.

6055 ARWILL, T. * MYRBERG, N. * SOREMARK, R,
THE CONCENTRATION OF CL, NA, BR, CU, SR, AND MN IN
HUMAN MIXED SALIVA,
ODONTOL, REVY, 18, 1-6 (1967), (ENGLISH).
UNIVERSITY OF UMEA, UMEA, SWEDEN,

6056 MC KIBBEN, J.M,
REACTION GAMMAS FOR ANALYSIS OF IMPURITIES IN
ALPHA EMITTERS,
NUCL. APPL., 4, 260-267 (APRIL 1968), (ENGLISH),
E.I. DU PONT DE NEMOURS AND COMPANY, SAVANNAH
RIVER PLANT, AIKEN, SOUTH CAROLINA,

6057 EDWARDS, R.R,
A REVIEW OF RECENT STUDIES OF NONDESTRUCTIVE ASSAY
METHODS FOR IRRADIATED NUCLEAR FUELS,
NUCL, APPL., 4, 245-259 (APRIL 1968), (ENGLISH),
DEPARTMENT OF CHEMISTRY, CARNEGIE-MELLON
UNIVERSITY, PITTSBURGH, PENNSYLVANIA,

6058 HALLER, W.A.
EVALUATION OF ELEMENTAL TRACERS AND NEUTRON
ACTIVATION ANALYSES IN ATMOSPHERIC PRECIPITATION
STUDIES,
BNWL-481-1, 82-85, OCTOBER 1967, (ENGLISH),
BATTELLE MEMORIAL INSTITUTE, PACIFIC NORTHWEST
LABORATORY, RICHLAND, WASHINGTON,

6059 WEBER, G, * CUYPERS, M,
MEASUREMENT OF THE RELATIVE RATIO OF THERMAL
NEUTRONS / FAST NEUTRONS IN AN ACTIVATION ANALYSIS
INSTALLATION,
BULL, SOC, ROY, SCI, LIEGE, 37, NO, 1-2, 55-63
(1968), (FRENCH), (ENGLISH SUMMARY), UNIVERSITE
DE L ETAT A LIEGE.

6060 AEBERSOLD, P.C,
POWERFUL NUCLEAR TECHNIQUES FOR UNIVERSAL USE,
NATIONAL CONFERENCE ON NUCLEAR ENERGY, APPLICATION
OF ISOTOPES AND RADIATION, PELINDABA, SOUTH
AFRICA, ATOMIC ENERGY BOARD, 600-623, 1963,
(ENGLISH), DIVISION OF ISOTOPES DEVELOPMENT, U.S.
ATOMIC ENERGY COMMISSION,

6061 HOUTMAN, J.P.W. * TURKSTRA, J.
DETERMINATION OF THE AGE OF WHITE LEAD BY NEUTRON
ACTIVATION - POSSIBLE APPLICATION TO PAINTINGS,
NATIONAL CONFERENCE ON NUCLEAR ENERGY, APPLICATION
OF ISOTOPES AND RADIATION, PELINDABA, SOUTH
AFRICA, ATOMIC ENERGY BOARD, 588-593, 1963,
(ENGLISH), REACTOR INSTITUTE, DELFT, HOLLAND,

6062 KENNA, B.T. * CONRAD, F.J.
DETERMINATION OF SODIUM IN HIGH PURITY SILICA BY
ACTIVATION ANALYSIS,
TALANTA, 15, NO. 4, 418-420 (1968). (ENGLISH)
(GERMAN AND FRENCH SUMMARIES). SANDIA LABORATORY,
ANALYTICAL METHODS DIVISION, ALBUQUERQUE, NEW
MEXICO.

6063 DUBOIS, J. * COLARD, J. * VIS, H.L.
MUSCLE ELECTROLYTE COMPOSITION DETERMINED BY
NEUTRON ACTIVATION. A PRELIMINARY STUDY OF
DEHYDRATION IN INFANTS,
J. NUCL. MED., 7, 827-836 (NOVEMBER 1966).
(ENGLISH). BRUSSELS, BELGIUM,

6064 TEREE, T.M. * COHN, S.H.
THE DETERMINATION OF STRONTIUM IN HUMAN SERUM
USING NEUTRON ACTIVATION ANALYSIS.
J. NUCL. MED., 7, 848-858 (NOVEMBER 1966).
(ENGLISH). CLEVELAND, OHIO AND UPTON, L.I., N.Y.

6065 PERSIANI, C. * COSGROVE, J.F.
DETERMINATION OF STOICHIOMETRY OF VANADIUM AND
TITANIUM OXIDES BY 14-MEV NEUTRON ACTIVATION.
ANAL. CHEM., 40, NO. 8, 1350-1352 (JULY 1968).
(ENGLISH). THE BAYSIDE LABORATORY, RESEARCH
CENTER OF GENERAL TELEPHONE AND ELECTRONICS
LABORATORIES, INC., BAYSIDE, N.Y.

6066 ROOK, H.L. * SCHWEIKERT, E.A. * WAINERDI, R.E.
STUDY OF THE CHEMICAL ETCHING PROCEDURE USED TO
REMOVE SURFACE OXYGEN CONTAMINATION IN CHARGED
PARTICLE ACTIVATION ANALYSIS.
ANAL. CHEM., 40, NO. 8, 1194-1196 (JULY 1968).
(ENGLISH). ACTIVATION ANALYSIS RESEARCH
LABORATORY, TEXAS A AND M UNIVERSITY, COLLEGE
STATION, TEXAS.

6067 OLEHY, D.A. * SCHMITT, R.A. * BETHARD, W.F.
NEUTRON ACTIVATION ANALYSIS OF MAGNESIUM, CALCIUM, STRONTIUM, BARIUM, MANGANESE, COBALT, COPPER, ZINC, SODIUM, AND POTASSIUM IN HUMAN ERYTHROCYTES AND PLASMA.
J. NUCL. MED., 7, 917-927 (DECEMBER 1966).
(ENGLISH). SAN DIEGO, CALIFORNIA.

6068 FELDMAN, M.H. * MC NAMARA, J. * REBA, R.C. * WEBSTER, W.
PROTEIN-BOUND IODINE DETERMINATION BY ACTIVATION ANALYSIS.
J. NUCL. MED., 8, 123-131 (FEBRUARY 1967).
(ENGLISH). BETHESDA, MARYLAND.

6069 SCHEER, K.E. * KRAUSS, O. * VARGA, L.
DETERMINATION OF THORATRAST IN TISSUE SAMPLES BY NEUTRON ACTIVATION ANALYSIS.
ATOMPRAXIS, 13, 451-453 (OCTOBER 1967). (GERMAN).
INSTITUT FUR NUKLEARMEDIZIN DES DEUTSCHEN KREBSFORSCHUNGZENTRUMS HEIDELBERG, GERMANY.

6070 ENGELMANN, C.
ACTIVATION ANALYSIS USING GAMMA PHOTONS.
CEA-R-3307, 64P., DECEMBER 1967. (FRENCH).
COMMISSARIAT A L ENERGIE ATOMIQUE, CENTRE D ETUDES NUCLEAIRES DE SACLAY, FRANCE.

6071 PINTE, G.
APPLICATION OF NEUTRON ACTIVATION ANALYSIS TO THE STUDY OF IMPURITIES IN MOLYBDENUM, TUNGSTEN, AND NUCLEAR GRAPHITE.
CEA-R-3267, 76P., OCTOBER 1967. (FRENCH). CENTRE D ETUDES NUCLEAIRES DE SACLAY, FRANCE.

6072 ALEKSANDROVA, G.I. * DEMIDOV, A.M. * KOTELNIKOV, G.A. * PLESHAKOVA, G.P. * SUKHOV, G.V. * CHOPOROV, D.Y. * SHMANENKOVA, G.I.
DETERMINATION OF THE OXYGEN CONTENT IN GERMANIUM AND SILICON BY ACTIVATION BY HE-3 IONS.
IAE-1165, 15P., 1966. (RUSSIAN). INSTITUT ATOMNOI ENERGII, GOSUDARSTVENNYI KOMITET PO ISPOLZOVANIYU ATOMNOI ENERGII SSSR, MOSCOW, RUSSIA.

6073 CORLESS, J.T.,
ISOTOPIC ABUNDANCE STUDIES BY NEUTRON ACTIVATION ANALYSIS,
NYO-3369-9, 56P., JANUARY 15, 1968, (ENGLISH), GRADUATE SCHOOL OF OCEANOGRAPHY, UNIVERSITY OF RHODE ISLAND,

6074 STEINNES, E.
DETERMINATION OF SOME LANTHANIDE ELEMENTS IN APATITES BY INSTRUMENTAL NEUTRON ACTIVATION ANALYSIS,
KR-120, 23P., OCTOBER 1967, (ENGLISH). INSTITUTT FOR ATOMENERGI, KJELLER RESEARCH ESTABLISHMENT, KJELLER, NORWAY,

6075 WOOD, D.E.
SOME PRINCIPLES OF ACTIVATION ANALYSIS,
KN-68-71(R), 72P., FEBRUARY 1968, (ENGLISH), KAMAN NUCLEAR, COLORADO SPRINGS, COLORADO,

6076 BERLANDI, F.J.
NEUTRON ACTIVATION ELECTRODEPOSITION TECHNIQUES,
THESIS, UNIVERSITY OF MICHIGAN, 147P., 1966, (ENGLISH), UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN,

6077 BEARD, H.R.
DETERMINATION OF RARE EARTHS AND OTHER TRACE IMPURITIES IN LEAD ZIRCONATE TITANATE CERAMICS BY NEUTRON ACTIVATION ANALYSIS AND PIEZOELECTRIC PROPERTIES OF LEAD ZIRCONATE TITANATE CERAMICS AS MODIFIED BY SMALL QUANTITIES OF RARE EARTH,
THESIS, UNIVERSITY OF UTAH, 170P., 1966, (ENGLISH), UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH,

6078 CRAM, S.P.
ANALYTICAL APPLICATIONS OF GAS CHROMATOGRAPHY IN THE NEUTRON ACTIVATION ANALYSIS OF SHORT-LIVED ISOTOPES,
THESIS, UNIVERSITY OF ILLINOIS, 189P., 1967, (ENGLISH), UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS,

6079 FREY, F.A,
RARE-EARTH ELEMENTS IN BASIC AND ULTRA-BASIC ROCKS.
THESIS, UNIVERSITY OF WISCONSIN, 435P., 1967,
(ENGLISH), UNIVERSITY OF WISCONSIN, MADISON,
WISCONSIN,

6080 KIM, C.K,
NEUTRON ACTIVATION ANALYSIS OF HG-197 AND RELATED RADIOCHEMICAL SEPARATIONS,
THESIS, UNIVERSITY OF MARYLAND, 74P., 1966.
(ENGLISH), UNIVERSITY OF MARYLAND, COLLEGE PARK,
MARYLAND,

6081 REED, G.L.V.
DETERMINATION OF ALUMINUM AND CADMIUM BY NEUTRON ACTIVATION OF THEIR CHELATES,
THESIS, UNIVERSITY OF MARYLAND, 92P., 1966,
(ENGLISH), UNIVERSITY OF MARYLAND, COLLEGE PARK,
MARYLAND,

6082 ROBINS, C.H., JR,
A DIGITAL COMPUTER TECHNIQUE FOR QUALITATIVE ANALYSIS OF COMPLEX SAMPLES FROM THEIR NEUTRON-INDUCED GAMMA-RAY ACTIVITIES,
THESIS, VIRGINIA POLYTECHNIC INSTITUTE, 142P.,
1967, (ENGLISH), VIRGINIA POLYTECHNIC INSTITUTE,
BLACKSBURG, VIRGINIA,

6083 MICHELSEN, O.B, * STEINNES, E,
DETERMINATION OF COPPER IN GEOLOGICAL MATERIAL BY NEUTRON ACTIVATION AND GAMMA-GAMMA COINCIDENCE SPECTROMETRY,
TALANTA, 15, 574-578 (1968), (ENGLISH) (GERMAN
AND FRENCH SUMMARIES), INSTITUTT FOR ATOMENERGI,
KJELLER, NORWAY,

6084 CRAM, S.P, * BROWNLEE, J.L., JR,
NEUTRON ACTIVATION ANALYSIS AS A QUANTITATIVE ELEMENTAL GAS CHROMATOGRAPHIC DETECTOR,
J. GAS CHROMATOGRAPHY, 6, 313-320 (1968),
(ENGLISH), DEPARTMENT OF CHEMISTRY AND CHEMICAL
ENGINEERING AND THE MATERIALS RESEARCH LABORATORY,
UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS.

6085 CRAM, S.P, * BROWNLEE, J.L,, JR,
THE GAS CHROMATOGRAPHIC RESOLUTION OF GAMMA-RAY
SCINTILLATION SPECTRA FOR THE NEUTRON ACTIVATION
ANALYSIS OF SHORT-LIVED ISOTOPES,
J. GAS CHROMATOGRAPHY, 6, 305-313 (1968),
(ENGLISH), DEPARTMENT OF CHEMISTRY AND CHEMICAL
ENGINEERING AND THE MATERIALS RESEARCH LABORATORY,
UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS,

6086 NADKARNI, R.A, * HALDAR, B.C,
DETERMINATION OF SILICON, PHOSPHORUS AND SULFUR IN
ALLOY STEEL BY NEUTRON ACTIVATION ANALYSIS,
ANAL, CHIM, ACTA, 42, 279-284 (AUGUST 1968),
(ENGLISH) (FRENCH AND GERMAN SUMMARIES),
INORGANIC AND NUCLEAR CHEMISTRY LABORATORY,
INSTITUTE OF SCIENCE, BOMBAY, INDIA,

6087 YULE, H.P,
COMPUTATION OF LITHIUM-DRIFTED GERMANIUM DETECTOR
PEAK AREAS FOR ACTIVATION ANALYSIS AND GAMMA RAY
SPECTROMETRY,
ANAL, CHEM,, 40, NO, 10, 1480-1486 (AUGUST 1968),
(ENGLISH), ACTIVATION ANALYSIS RESEARCH
LABORATORY, TEXAS A AND M UNIVERSITY, COLLEGE
STATION, TEXAS,

U.S. GOVERNMENT PRINTING OFFICE : 1968 O—320-044

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